

STUDIES IN ECONOMICS AND POLITICAL SCIENCE

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A SELECT BIBLIOGRAPHY
OF
MODERN ECONOMIC THEORY
1870-1929

A SELECT BIBLIOGRAPHY OF MODERN ECONOMIC THEORY 1870-1929

COMPILED BY

HAROLD E. BATSON, B.Sc. (Econ.) Lond.

Assistant in the Department of Economics, London School of Economics

WITH AN INTRODUCTION

BY

LIONEL ROBBINS, M.A.

Professor of Economics in the University of London

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INTRODUCTION

THEORETICAL Economics has now had a recognized status as a branch of scientific knowledge and has been studied as such for at least a hundred and fifty years. For the greater part of this period, however, what might be called the pedagogic literature of the subject has been small. The outer fringe of pamphlets and the growing mass of historical documents, it is true, have never been inconsiderable. But, up to a comparatively recent date, the number of books and articles which a student, who was not a specialist in the history of theory, need have read, in order to be abreast of the main tendencies of what for him was *modern* economic theory, was not great. No one with any ambition to become a serious economist had any excuse, save linguistic incapacity, for being unaware of the chief contemporary contributions to his science.

In recent years, however, the position has greatly changed. The teaching of economics as a university subject has spread, the number of men engaged in serious economic research has multiplied. And in consequence the volume of really important work has been greatly increased. To keep abreast of all the monographs, treatises, and articles now pouring forth from the Economics Departments of most of the universities of the world, let alone to acquire a sufficient knowledge of that which has not yet been superseded, is a task for a whole-time specialist.

This means that the teacher of economics is confronted by new difficulties. In the old days, it may have been sufficient to turn a student loose in a good library and let him find out what was worth reading for himself. To-day that method is accompanied by much greater dangers. The literature of the subject is so vast that the student may read for years and yet remain ignorant of vitally important contributions to his subject. This is true in the case of full-blown treatises. It is even truer in the case of contributions to the journals—notoriously the most valuable contributions of all. For the last thirty years there have been at least a dozen journals devoted to our subject, publishing at short intervals matter of first-class importance. To expect the student to find his way through these is obviously to expect the impossible. Moreover, it is not clear that it is desirable. Some indiscriminate reading is good. But life is short, and after a certain point the productivity of this sort of effort diminishes very rapidly. The volume and variety of really important work is quite sufficient to exercise to the full the student's powers of independent judgment.

In some universities, it has been attempted to meet this difficulty by the introduction of detailed "reading lists". This plan is also adopted by the authors of certain omnibus textbooks. But, in spite of its superficial advantages, I do not think it is likely to commend itself to the general body of teachers of economics. It smacks too much of the crammer and the correspondence college. What is needed, surely, is not the abolition of free choice on the part of the student, but elimination of superfluous material so that free choice can be more effective. We should not wish to abolish a certain measure of *laissez faire* in university education. We should rather seek to create conditions under which *laissez faire* is not wasteful of time and energy.

This bibliography is a tentative experiment in this direction. It is not an attempt to present a synthetic organon of any particular brand of theory. The works recommended are not necessarily mutually consistent. Nor is it an attempt to provide a minimum list of works indispensable to salvation in final examinations. The lists are extensive; and no student yet born could hope to read all the works enumerated in the short time at his disposal. It does, however, attempt to provide a catholic selection within which the student can read and form his own judgment without feeling that in making experiments he is likely to be wasting his time.

The scope of the bibliography is modern economic theory. It does not attempt to cover "descriptive economics" or "economic history". For purpose of compilation "modern" has been understood to mean 1870 to 1929. It is hoped that, if new editions are called for, the lists may be further extended and, if necessary, revised and pruned: the definition of "modern" has necessarily a shifting content. Within the limits adopted for the present, an attempt has been made to cover the main field of modern theoretical economics with the exception of money and banking, these subjects being omitted because it was felt that the experimental nature of the undertaking did not justify the very great increase in size which would have been necessary if they had been included.

The book falls into two parts. In the first is a series of select bibliographies of the different branches of theory. In the second a series of bibliographies of the works of different authors. Here the principle of selection has been applied not to the literature, but to the authors. Once an economist has been considered eligible to figure in this section an attempt has been made to include all his contributions to the subject. The exact sources of the lists are indicated elsewhere. Speaking broadly, it may be said that a fairly close scrutiny has been made of the main American and English publications: German, French, and Italian sources have been used so far as they were available.¹

¹ The omission of Italian economists from the author bibliography was due to lack of the necessary works of reference. This is a serious gap in our work which we hope to remedy later on.

Considerations of time and expense compelled the limitation of the search to the literature of these four languages, but it is hoped that later on the area may be extended.

No enterprise of this sort can hope to please everybody. Each teacher has his own views of the relative importance of different contributions to the subject. It is safe to say that no competent economist will go through this book without feeling that some of its inclusions are redundant and some of its exclusions deplorable. Differences in opinion on matters of this sort are inevitable, and none of those responsible in any way for the present work are under any illusion as to the fallibility of their judgment and the gaps in their knowledge. Criticism and suggestions for future editions will be welcomed most gratefully. This is not an attempt to provide a canon of economic orthodoxy. It is merely an attempt to provide a very humble instrument of the pedagogy of economics. It is in the hope that with all its inadequacies and defects it may yet serve a useful purpose that we venture to offer it to the public.

It remains to say a word about the authorship. The plan originated in 1927 at the School of Economics during the interval between the retirement of Professor Cannan and the appointment of Professor Young. Its execution was made possible by a grant from the Rockefeller Foundation. I believe I was actually responsible for the idea of the bibliography, but it was to Dr. Dalton, at that time acting head of the economics department, that the initiation and the subsequent supervision of the enterprise was really due. It was Dr. Dalton who set the machinery of investigation in motion; and since then, it has been he, who, in spite of pressing duties elsewhere, has undertaken the most onerous duties of editorship. The actual work of compilation was divided. Miss Howitt commenced the bibliography of authors. Important assistance was rendered by Mr. Headicar and the staff of the British Library of Political Science, and Professor Schumpeter and M. Bousquet made valuable suggestions with regard to the scope of our inquiries. But the main work was done by Mr. Batson. He compiled the subject bibliography and the explanatory notes; and although his lists were from time to time revised by Dr. Dalton and myself, the whole labour of selection, arrangement, and review is entirely his. I do not think that anyone who is acquainted with the field he covers will fail to recognize the magnitude of the work he has done, nor underestimate the difficulties he has had to encounter.

LIONEL ROBBINS.

LONDON SCHOOL OF ECONOMICS.
October, 1929.

LIST OF SIGNS AND ABBREVIATIONS

In Part I of this bibliography, books are dated according to their latest editions. Where more than one edition of a book has been published, the date of the first is also given within square brackets. A reference to an author in small capital letters indicates that an entry under that author's name will be found in the same section of the bibliography.

In Part II, books and articles are arranged under their respective authors' names in chronological order, the date in the case of books being that of the *first* edition. Most of the books in this section are in the British Library of Political Science. Those not in that library are indicated by an asterisk. The authors are classified as English, French, or German, according to the language in which the greatest number of their publications were written.

In both sections the titles and volumes of certain periodicals and other works are referred to by combinations of letters followed by an Arabic numeral. The works thus indicated are :—

AAA	.	.	The Annals of the American Academy of Political and Social Science (<i>Philadelphia</i>), 1890—.
AER	.	.	The American Economic Review (<i>Cambridge, Mass.</i>), 1912-14 ; (<i>Ithaca, N.Y.</i>), 1915-19 ; (<i>Newhaven, Conn.</i>), 1920-4 ; (<i>Evanston, Ill.</i>), 1925—.
ASS	.	.	Archiv für Soziale Gesetzgebung und Statistik (<i>Tübingen</i>), 1888-90 ; (<i>Berlin</i>), 1891-1903 ; Archiv für Sozialwissenschaft und Sozialpolitik (<i>Tübingen</i>), 1904—.
CJb	.	.	Jahrbücher für Nationalökonomie und Statistik ("Conrads Jahrbücher") (<i>Jena</i>), 1862—.
Ec	.	.	Economica (<i>London</i>), 1921—.
EJ	.	.	The Economic Journal (<i>London</i>), 1891—.
GE	.	.	Giornale degli Economisti (<i>Padua</i>), 1875-85 ; (<i>Bologna</i>), 1886-9 ; (<i>Rome</i>), 1890—.
HdS	.	.	Handwörterbuch der Staatswissenschaften (<i>Jena</i>), 1st Edn. 1890-4, 1st Supplement, 1895, 2nd Edn. 1898-1901, 3rd Edn. 1909-11, 4th Edn. 1923-9.
JE	.	.	Journal des Économistes (<i>Paris</i>). 1842—.
JPE	.	.	The Journal of Political Economy (<i>Chicago</i>), 1892—.
JRSS	.	.	The Journal of the Royal Statistical Society (<i>London</i>), 1838—.
NF	.	.	Neue Folge (<i>of German periodicals</i>).
PSQ	.	.	Political Science Quarterly (<i>New York</i>), 1886—.
QJE	.	.	The Quarterly Journal of Economics (<i>Boston</i>), 1886-1909 ; (<i>Cambridge, Mass.</i>), 1910—.
REI	.	.	Revue Économique Internationale (<i>Brussels</i>) 1904—.

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REP	.	.	Revue d'Économie Politique (<i>Paris</i>), 1887—.
Rev.	.	.	(<i>with a distinguishing word</i>) Review or Revue.
SchmJb	.	.	Jahrbuch für Gesetzgebung, Verwaltung und Rechtspflege des Deutschen Reiches (<i>Leipzig</i>), 1871-6; Jahrbuch für Gesetzgebung, Verwaltung und Volkswirtschaft im Deutschen Reich (<i>Leipzig</i>), 1877-1912; Schmollers Jahrbuch für Gesetzgebung, Verwaltung und Volkswirtschaft im Deutschen Reiche (<i>Leipzig</i>), 1913—.
Weltw. Arch.	.	.	Weltwirtschaftliches Archiv (<i>Jena</i>), 1913—.
YR	.	.	The Yale Review (<i>New Haven</i>), 1892—.
ZGS	.	.	Zeitschrift für die gesammte Staatswissenschaft (<i>Tübingen</i>), 1844—.
ZS	.	.	Zeitschrift für Socialwissenschaft (<i>Berlin</i>) 1898-1906; (<i>Leipzig</i>) 1907-1921.
ZV	.	.	Zeitschrift für Volkswirtschaft, Socialpolitik und Verwaltung (<i>Vienna</i>), 1892-1920; Zeitschrift für Volkswirtschaft und Sozialpolitik (<i>Vienna</i>), 1921—.

PART I
SUBJECT BIBLIOGRAPHY

SUBJECT BIBLIOGRAPHY

THE SCOPE AND METHOD OF ECONOMIC SCIENCE

Economists have disagreed far more in their opinions about the methods of economic science than in their actual use of them. Very few economists really know what methods they employ ; all that they are usually conscious of is the mental processes by which they justify their conclusions after they have reached them. Consequently, more may be learned about method by a study of the work that economists have done than by a study of how they say they have done it or would like their pupils to do it.

The importance of this fact must not be exaggerated. Differences of method do exist, as may readily be seen from a comparison of, say, Schmoller's *Grundriss* with PARETO's *Cours*, or with Menger's *Grundsätze*. But the differences are emphasized, and the similarities hidden, by a style of presentation which, in aiming at self-consistency, obscures the fact that no reasonable theory was ever built up without the use of many methods, inductive as well as deductive, historical as well as abstract, whatever sort of theorist the author might finally label himself or be labelled by others. This is now generally realized, and discussions about method are rarely met with nowadays.

Nevertheless, discussions about method are by no means unprofitable if they draw attention to the truly scientific nature of the study of economics. And they are perhaps still more valuable for the hints they give concerning the spirit in which the work of their authors should be approached. Due attention to these hints will often render possible a reconciliation between seemingly contradictory theories. Thus, honestly-written general works, by showing something of the methods actually followed by their authors, are the best guides in problems of methodology, whilst honestly-written works on methodology, by showing what their authors hoped to accomplish, are often a most valuable aid to the proper understanding of the general works.

The question of scope is theoretically distinguishable from the question of method, but it was found that in practice the two are so closely connected that to have made a separate section for each subject would have involved much duplication.

Excellent classifications and comparisons of methods may be found in the Encyclopædias and Histories of theory, and in such writings as those of John Neville KEYNES.

AMONN, A. *Objekt und Grundbegriffe der Nationalökonomie*. [1911.] 2nd 1927. pp. ix + 424.

The first three parts deal at length with the scope, method, and aim, of economics, making extended reference to most other authorities on the subjects. The book contains useful bibliographies.

ASHLEY, W. J. *The Enlargement of Economics*. 1908. EJ 18, pp. 181-204.

Retrospective and prophetic. Appeals especially for development of "Business" Economics as a supplement to "Political" Economy. Should be read in conjunction with a previous article on *The Present Position of Political Economy*, 1907, EJ 17, pp. 467-89. For an elementary discussion of the merits of the inductive method, see the writer's Toronto inaugural lecture on *What is Political Science?* 1888, pp. 28.

BAGEHOT, W. *The Postulates of English Political Economy*. 1867. Fortnightly Review. pp. 215-42.

Argues that it is not always realized that English economics is "the science of business". Emphasizes the difficulties of economics and states that they can best be overcome by deductive methods and not by historical. Reprinted in *Economic Studies* [1880], 7th 1908, pp. 1-94, which also contains *The Preliminaries of Political Economy*, pp. 95-124. This essay, written in 1876, repeats some of the material in the above, but adds some useful arguments on the abstract nature of economics.

BEVERIDGE, W. *Economics as a Liberal Education*. 1921. Ec 1, pp. 2-19.

A lecture delivered at the London School of Economics, containing a statement of the methods and scope of the social sciences as a group.

BÖHM-BAWERK, E. VON. *The Historical versus the Deductive Method in Political Economy*. 1890. AAA 1, pp. 244-71.

Defends the "exact" method against the sweeping and exclusive claims of the historical school. Holds that when the abstract-deductive method comes into its own, "there will be little or nothing written about method and so much the more will be done by all methods." For a further defence of the Austrian methods, see *The Austrian Economists*, 1891, AAA 1, pp. 361-84.

BRENTANO, L. *Die klassische Nationalökonomie*. 1888. pp. 32.

This lecture, delivered at Vienna, contains some general criticisms by an extreme member of the historical school.

CANNAN, E. *Wealth*. 1914. pp. 2-18.

Ch. 1, on "The Subject Matter of Economics", omitted from 3rd 1928, concludes that economics deals with wealth,

in its old sense of "a particular state or condition of human beings", i.e. with "the more material side of human happiness", or, more shortly, with "material welfare". For a good discussion of the province of economic science, see *A History of the Theories of Production and Distribution* [2nd 1903], 3rd 1917, xv + 422, ch. 9. *The Practical Utility of Economic Science*, 1902, EJ 12, pp. 459-71, and *A Review of Economic Theory*, 1929, pp. x, 448, are also worth consulting.

CASSEL, G. *Fundamental Thoughts in Economics*. 1925. pp. 11-45.

Ch. I, on "Aims and Methods of Economic Theory", contains the most concise statement of the author's views on that subject. Among the points dealt with are the essentially quantitative nature of the science, and the necessity for both induction and deduction at different stages.

CARVER, T. N. *Clark's Distribution of Wealth*. 1901. QJE 15, pp. 578-602.

Contains a few good pages on the division of the subject matter of economics.

CLAPHAM, J. H. *Of Empty Economic Boxes*. 1922. EJ 32, pp. 805-14. *The Economic Boxes: A Rejoinder*. 1922. EJ 32, pp. 560-3.

The "empty boxes" are those labelled "Increasing" and "Diminishing Returns". This denial of the value of these concepts provoked a reply from PIGOU, and an important controversy on method was developed. See also, in this section, PIGOU and ROBERTSON.

CLARK, JOHN BATES. *The Future of Economic Theory*. 1898. QJE 13, pp. 1-14.

This important article deals chiefly with the probable development of dynamic economics. The best source of information on Clark's concept of the relations and independences of static and dynamic studies is *The Dynamic Law of Wages*, 1899, JPE 7, pp. 375-82. Other useful articles are *Natural Divisions in Economic Theory*, 1899, QJE 13, pp. 187-203, and *The Field of Economic Dynamics*, 1905, PSQ 20, pp. 246-56.

CLARK, JOHN MAURICE. *The Socializing of Theoretical Economics*, in TUGWELL'S *The Trend of Economics*. 1924. pp. 73-102.

Embodies material from *Economic Theory in an Era of Social Readjustment*, AER 9 Supp., and *Soundings of Non-Euclidean Economics*, AER 11 Supp. (see below). Distinguishes between "Euclidean economics" and "social economics", and decides that a synthesis may be possible under certain conditions. *Economics and Modern Psychology*, 1918, JPE 26, pp. 1-30 and pp. 136-66, contains a plea for a closer relationship between economics and modern psychology.

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Soundings of Non-Euclidean Economics, 1921, AER 11 Supp., pp. 132-43. Inverts six axioms of orthodox economics, and considers what results follow from such inversion. Followed by a discussion, reported on pp. 143-47.

COHN, G. *System der Nationalökonomie: Erster Band, Grundlage der Nationalökonomie*. 1885. pp. 23-78.

The first chapter, on "Methodologie der Staatswissenschaften und der Nationalökonomie insbesondere", is a good example of the German type of methodological introduction. It has a strong bias in favour of the historical method.

COPELAND, M. A. *Professor Knight on Psychology*. 1925. QJE 40, pp. 134-51.

A reply to articles by KNIGHT in QJE 39 and AER 15, *q.v.*, challenging his views on the limited scope of scientific method.

CROCE, B. *Sul Principio Economico*. 1900. GE 21, pp. 15-26.

A letter to PARETO, questioning the usefulness of his economic methods. See PARETO's replies, and Croce's further letter in 1901, GE 22, 121-30.

CUNNINGHAM, W. *The Relativity of Economic Doctrine*. 1892. EJ 2, pp. 1-16.

This inaugural lecture at King's College, London, discusses the scope and method, the history, and the practical application, of economic science, emphasizing its limitations in a manner that plainly shows the influence of the historical school. See also *Why had Roscher so Little Influence in England?* 1894. AAA 5, pp. 317-34. This defence of the historical method deplores the exclusive use of the abstract method in England, but points out that realistic studies were at last being developed. This article attracted great attention on the Continent, and was translated into German and appeared as *Weshalb hatte Roscher so wenig Einfluss in England?* 1895. SchmJb 19, pp. 383-99.

DAVENPORT, H. J. *The Formula of Sacrifice*. 1894. JPE 2, pp. 560-73.

Argues that economics stands in an ambiguous position with regard to the philosophical controversy over fate and free will, despite the fact that economics is in the last analysis applied psychology. This difficulty can be overcome by stating economic problems in terms of sacrifice. The latter half of the article is devoted to some of the restatements of economic doctrine necessitated by the adoption of this formula.

DIEHL, K. *Theoretische Nationalökonomie*. Erster Band. [1916.] 2nd 1922. pp. ix + 500.

This is one of the best modern German works on the subject, and contains an exhaustive analysis of contemporary methodological tendencies.

- DIETZEL, H. *Beiträge zur Methodik der Wirtschaftswissenschaft*. 1884. CJB 43, pp. 17-44 and pp. 193-259.

An important comparative and positive discussion of methodology, with special reference to the historical school.

- DUNBAR, C. F. *The Academic Study of Political Economy*. 1891. QJE 5, pp. 397-416.

Useful for its pronouncements on the attitude of the scientific economist to "questions of the day".

- EDGEWORTH, F. Y. *The Objects and Methods of Political Economy*, 1891. EJ 1, pp. 625-34.

This Oxford inaugural lecture is mainly a vindication of the abstract method and a survey of the difficulties of its application to practical problems. Reprinted in *Papers*, 1925, vol. 1, pp. 3-12. See also Edgeworth's *Mathematical Psychics*, 1881, vii + 150, for an enunciation of the thesis that "the application of mathematics to *Belief*, the calculus of Probabilities, has been treated by many distinguished writers; the calculus of *Feeling*, of Pleasure and Pain, is the less familiar, but not in reality more paradoxical subject of this essay." ". . . It is remarkable that the principal inquiries in Social Science may be viewed as *maximum-problems*."

- FETTER, F. A. *Price Economics versus Welfare Economics*. 1920. AER 10, pp. 467-87 and pp. 719-37.

Attempts to answer the question What is the central theme of economics, in the first article comparatively, and in the second positively, finally relegating price economics to a place "near the periphery" of economic interest. See also *Value and the Larger Economics*, 1923, JPE 31, pp. 587-605 and pp. 790-803, for an examination of the trend of economics with respect to the position of value theory. "Economics is at last pretty fully emancipated from the bonds of a mere price conception. All economic science ultimately must centre around human welfare."

- FISHER, I. *Economics as a Science*. 1906. Science (New York) 24 New Series, pp. 257-61.

Defends the claim of economics to be considered a science; discusses the difference between historical and scientific truth and says that the German School confuses the two; and divides economic studies into three parts: the study of historical facts, the discovery of the relations to which these facts conform, and prediction. This article was originally given as an address to the American Association

for the Advancement of Science. See also *Capital and Interest*, 1909, PSQ 24, pp. 504-16, for a defence of the author's economic method in reply to articles by VEBLEN in PSQ 23 and 24, criticizing the attention bestowed by Fisher on psychological concepts.

GOSCHEN, G. J. *Ethics and Economics*. 1893. EJ 3, pp. 377-87.

This address by the president of the British Economic Association argues that there is a close connection between economics and ethics. The address was followed by some remarks by MARSHALL.

HAMILTON, W. H. *The Place of Value Theory in Economics*. 1918. JPE 26, pp. 217-45 and pp. 375-407.

A comparative study in the content of value theory and the scope of economics. See also, in this section, the two articles by FETTER.

HASBACH, W. *Zur Geschichte des Methodenstreites in der politischen Ökonomie*. 1895. SchmJb 19, pp. 465-90 and pp. 751-808.

This excellent historical study deals especially with Malthus, Ricardo, Mill, BAGEHOT, DIETZEL, Menger, John, KEYNES, WAGNER, and COSSA, and contains many footnotes and quotations. For a contribution to the controversy concerning the relative values of the inductive and deductive methods see *Mit welcher Methode wurden die Gesetze der theoretischen Nationalökonomie gefunden?* 1904. CJB 82, pp. 289-317.

HAWLEY, F. B. *Enterprise and the Productive Process*. 1907. pp. 1-89.

The Preface and chs. 1-4 deal with scope and method. The author is sceptical about the success of the historical school, regarding economics as necessarily deductive. See also *A Positive Theory of Economics*, 1902, QJE 16, pp. 233-64.

HAWTREY, R. G. *The Economic Problem*. 1926. pp. 1-6 and pp. 176-88.

In Ch. 1, the problem is stated to be "that of utilizing man's capacity for joint action", and the view that this problem is the real subject matter of economics is defended in later chapters. Ch. 16, on Wealth and Value, is a valuable criticism of "wealth" and "welfare economics". For a criticism, see L. Robbins on *Mr Hawtreys on the Scope of Economics*, 1927, Ec 7, pp. 172-8.

HOBSON, J. A. *Free Thought in the Social Sciences*. 1926. pp. 61-166.

Part II deals with economics. "The Art of Economics addresses itself to the arrangement of the human activities and conditions for attaining the welfare of humanity, so far as it is affected by transferable products widely desired and limited in quantity. . . . Economic Science is concerned

with the discovery of the laws or principles of human nature and its environment which are discernible in these economic processes." See also Hobson's *Work and Wealth*, 1914, pp. 1-27, which condemns the lack of attention to Consumption as a branch of economic inquiry, and the consequent exclusive concern of economists with monetary ends.

HONEGGER, H. *Zur Krisis der statischen Nationalökonomik*. 1924. SchmJb 48, pp. 473-90.

A good summary of the static-dynamic controversy, concluding very much in favour of SCHUMPETER, but declaring that he has not yet reached the farthest limits of his method.

INGRAM, J. K. *The Present Position and Prospects of Political Economy*. 1878. pp. 31.

This address to the British Association defends the claim of economics to be regarded as a science, but asserts that "the abusive preponderance of deduction" should give way to the use of the historical method. The author also objects to the isolated, absolute, and abstract, nature of most economic discussions.

JEYONS, W. S. *The Theory of Political Economy*. [1871.] 4th 1911. Introduction.

"In this work I have attempted to treat Economy as a, Calculus of Pleasure and Pain." "It is clear that Economics, if it is to be a science at all, must be a mathematical science." See also *The Future of Political Economy*, 1876, Fortnightly Review, for a short historical summary, followed by a prophecy of increasing subdivision of economics according to both subject and method. Reprinted in *The Principles of Economics*, 1905, pp. 187-206.

JOHNSON, W. E. *Method of Political Economy*. 1923. Palgrave's *Dictionary of Political Economy*, 2, pp. 739-48.

A useful encyclopædic analysis and comparison of methods with a short bibliography.

KEYNES, JOHN NEVILLE. *The Scope and Method of Political Economy*. [1890.] 4th 1917. pp. xiv + 382.

The English classic on scope and method. In different fields, "the appropriate method may be either abstract or realistic, deductive or inductive, mathematical or statistical, hypothetical or historical." Keynes regards economics as a positive science, supplemented by applied economics and "the ethics of political economy". See also Keynes's article on the *Deductive Method* in Palgrave's *Dictionary of Political Economy*, 1, pp. 523-6.

KLEINWÄCHTER, F. *Wesen, Aufgabe, und System der Nationalökonomie*. 1889. CJB 52, pp. 601-51.

Contains an important introductory section on the relations between economic science and ethics, mathematics, and

politics; and two further sections on the "Begriff der Wissenschaft" and "Das System der Nationalökonomie: 1. Das System der theoretischen N., 2. Das System der sogenannten praktischen oder angewandten N."

KNIES, K. *Die politische Oekonomie vom geschichtlichen Standpunkte*. 1882-3. pp. xii + x + 533.

This is a second enlarged edition of *Die politische Oekonomie vom Standpunkte der geschichtlichen Methode*, 1853. It forms an elaborate defence of the historical method by one of the founders of the historical school. Part I, Einleitendes (dealing largely with general methodological problems); Part II, Volkswirtschaft; Part III, Volkswirtschaftslehre (stressing the historical relativity of economic science).

KNIGHT, F. H. *The Limitations of Scientific Method in Economics*, in TUGWELL, *The Trend of Economics*. 1924. pp. 229-67.

A study of the relations between economic data and the actual facts of human nature, containing a masterly presentation of the author's rigidly abstract conception of economic science. For an argument that "There is abundant need for the use of both deduction and induction", see Ch. 1 of Knight's *Risk, Uncertainty, and Profit*, 1921, pp. 3-21. His *Ethics and the Economic Interpretation*, 1922, QJE 36, pp. 454-81, contains a good discussion of the fundamental relations between economics and ethics, with much incidental light on the scope and method of economics. His *Fact and Metaphysics in Economic Psychology*, 1925, AER 15, pp. 247-66, argues for the relegation of behaviourism to a subordinate place in economic psychology. See also *Economic Psychology and the Value Problem*, 1925, QJE 39, pp. 372-409, for an examination of the scope and psychological basis of economics. "Economics is a branch of esthetics and ethics." See the article by Knight in AER 15 and COPELAND'S criticism in QJE 40.

LANDRY, A. *Manuel d'Économie*. 1908. pp. 3-64.

The introduction provides the most systematic discussion in any French text-book, and deals with the object, history, future, science, art, method, and arrangement of economics, and its relations with other sciences. Landry regards induction, deduction, and mathematics, not as rival methods, but as component processes of one economic method.

LESLIE, T. E. CLIFFE. *Essays in Political Economy*. [1879.] 2nd 1888. pp. xii + 437.

Contains several reprinted essays on scope and method, of which the following are the most useful: "The Political Economy of Adam Smith," 1870; "Political Economy in the United States," 1880; "Economic Science and Statistics," 1873; "Political Economy and Sociology," 1879—an expression of agreement with the criticism of the deductive

method advanced in INGRAM's pamphlet, *q.v.*; and "On the Philosophical Method", 1876. Cliffe Leslie was one of the most important English critics of deductive economics. For counter-arguments, see BAGEHOT.

- LIEFMANN, R. *Grundsätze der Volkswirtschaftslehre: Erster Band*. [1919.] 2nd 1920. pp. 3-227.

Deals with the aims, methods, and fundamental errors of present-day theory.

- MARSHALL, A. *Principles of Economics*. [1890.] 8th 1920. pp. xxxii + 871.

Bk. I deals fully with the scope, method, and aims of economics. "Economics is a study of mankind in the ordinary business of life . . . Thus it is on one side a study of wealth, and on the other, and more important, side, a part of the study of man." "Economics needs induction and deduction, but in different proportions for different purposes." There are also some very good paragraphs on the nature of economic laws. See also Appendix C, on The Scope and Method of Economics, Appendix D., on Uses of Abstract Reasoning in Economics, and the introductions to the various editions. A comprehension of Marshall's method and aims is much facilitated by a study of the fascinating memoir by J. M. Keynes in the *Memorials of Alfred Marshall*, edited by A. C. PIGOU, 1925. For the famous explanation of the economist's use of the phrase "*ceteris paribus*", which was later transferred to the 4th Edn. of the *Principles*, and appears at p. 366 in the 8th Edn., see *Distribution and Exchange*, 1898, EJ 8, pp. 37-44. See also Marshall's Cambridge inaugural lecture on *The Present Position of Economics* (1885), in *Memorials*, 1925, pp. 152-74, in which he contends that economics "is not a body of concrete truth, but an engine for the discovery of concrete truth", and that "an economist as such cannot say which is the best course to pursue".

- MENGER, C. *Untersuchungen über die Methode der Socialwissenschaften und der politischen Oekonomie insbesondere*. 1883. pp. xxxii + 291.

A statement of the motives underlying the Austrian reaction from the German historical method. For detailed criticisms of the historical method, see Menger's *Die Irrthümer des Historismus in der Deutschen Nationalökonomie*, 1884, pp. 87, and his *Grundzüge einer Klassifikation der Wirtschaftswissenschaften*, 1889, CJB 53, pp. 465-96.

- MITCHELL, W. C. *The Prospects of Economics*, in TUGWELL's *The Trend of Economics*. 1924. pp. 3-34.

Contains a sketch of methods employed in the past, and a prophecy of new vitality in the future. Includes valuable suggestions regarding the problems of behaviourism, institu-

tionalism, and quantitative analysis in economic theory, and the treatment of production and welfare. For an argument that the increase of statistical data and the improvement of statistical technique are making possible a great extension of the use of the quantitative method in economics, see *Quantitative Analysis in Economic Theory*, 1925, AER 16, pp. 1-12.

NEUMANN, F. J. *Naturgesetz und Wirtschaftsgesetz*. 1892. ZGS 48, pp. 405-75.

Contrasts and compares economic and natural laws.

NEWCOMB, S. *Principles of Political Economy*. 1886. pp. 3-44.

Bk. I deals with the scope of economics (the activities of men in seeking to gratify their desires), scientific method in general, and true and fallacious views of economic method in particular.

PANTALEONI, M. *Erotemi di Economia*. 2 vols. 1925. pp. xi + 382, xi + 345.

Contains some useful reprints on scope and method, the most useful being: *Definizione dell' Economia*, 1913; *Una visione cinematografica del progresso della scienza Economica*, 1907; *Del carattere delle divergenze d'opinione esistenti tra economisti*; *Cenni sul concetto di massimi edonistici individuali e collettivi*, GE 1891; *Tentativo di analisi del concetto di "forte e debole" in economia*, EJ 1898. See also ch. 1 of Pantaleoni's *Principii di Economia Pura*, 1889, pp. 9-50.

PARETO, V. *Sul Fenomeno Economico*. 1900. GE 21, pp. 139-62. *Sul Principio Economico*. 1901. GE 22, pp. 131-8.

A defence of pure economics in reply to the criticisms of CROCE in GE 21 and 22. For a useful contribution to the discussion about the historical and abstract methods, shedding light on the author's use of mathematics, see *The New Theories of Economics*, 1897, JPE 5, pp. 485-502. See also *Economia Sperimentale*, 1918, GE 57, pp. 1-18.

PATTEN, S. N. *The Scope of Political Economy*. 1893. YR 2, pp. 264-87.

Patten was somewhat of a pantologist, and most of his numerous pronouncements on the nature of economic science are not so valuable as they might have been had he devoted his entire attention to that subject; but this is an exception to the rule and deals usefully with the psychological basis of economics. It also contains a plea for the devotion of attention to scope as well as method.

PHILIPPOVITCH, E. VON. *Über Aufgabe und Methode der politischen Ökonomie*. 1886. pp. 55.

An inaugural address by a prominent member of the Austrian school.

PIGOU, A. C. *Economic Science in Relation to Practice*. 1908. pp. 32.

This Cambridge inaugural lecture stresses the fruit-bearing, as contrasted with the light-bearing, aspects of economics, although it declares that economics can only furnish data and not lay down precepts. Economics is stated to be not a pure but a realistic science. Passages from this reappear in *The Economics of Welfare*, 1920, q.v. See also Pigou's articles in the EJ controversy on *Empty Economic Boxes* (1922, EJ 32, pp. 458-65; 1924, EJ 34, pp. 30-1). See also ROBERTSON and CLAPHAM, and the article by YOUNG in QJE 27.

ROBERTSON, D. H. *Those Empty Boxes*. 1924. EJ 34, pp. 16-30 and 31.

The controversy between CLAPHAM and PIGOU in EJ 32, having been discontinued, ROBERTSON ventures to repeat the challenge in this article. See note under CLAPHAM in this section, and see PIGOU in EJ 32 and 34 and YOUNG in QJE 27.

SAX, E. *Das Wesen und die Aufgaben der Nationalökonomie*. 1884. pp. vi + 104.

One of the most compendious of the early statements of the Austrian views on methodology.

SCHMOLLER, G. *Volkswirtschaft, Volkswirtschaftslehre, und -methode* in HdS. 3rd 1911.

Although written by an extreme member of the historical school, this article is remarkably unbiassed, and is the standard German source for information on methodology in general. There is a remarkably good bibliography, which has been brought up-to-date in the latest (1928) Edn. of the H der St., although the article itself has been replaced by one which is more modern and less authoritative. SCHMOLLER's article was reprinted in his *Über einige Grundfragen der Sozialpolitik und der Volkswirtschaftslehre*, 1898. For a study of the concept of Justice in economics, see his *Die Gerechtigkeit in der Volkswirtschaft*, 1881, SchmJb 5, pp. 19-54, in which he decides that the concept necessarily influences the economic life. This was translated into English and published as *The Idea of Justice in Political Economy*, 1894, AAA 4, pp. 697-737.

SCHUMPETER, J. *Epochen der Dogmen- und Methodengeschichte*. 1914. pp. 19-124.

This book forms pt. 2 of vol. 1 of the Tübingen *Grundriss der Sozialökonomik*, of which WIESER's *Gesellschaftliche Wirtschaft* was pt. 3. Most space is devoted to an examination of the classical and historical methods. See also, by the same writer, *Das Wesen und der Hauptinhalt der theoretischen Nationalökonomie*, 1908, pp. xxxii + 626;

On the Concept of Social Value, 1909, QJE 23, pp. 213-32; and *Gustav von Schmoller und die Probleme von Heute*. 1926. SchmJb 50, pp. 337-88.

SIDGWICK, H. *The Scope and Method of Economic Science*. 1885. pp. 57.

This British Association address argues that abstract reasoning can never be a "substitute for an accurate and thorough investigation of facts", and discusses at length the relations between economics and politics. See also Sidgwick's *Principles of Political Economy*, 1883, in which he regards economics as both a science and an art, dealing "with the Production, Distribution, and Exchange of wealth in a society". "By 'Production of wealth' is meant the production of new value or utility in pre-existing materials." Controversies about method are attributed in part to a confusion between science and art. Both deduction and induction are said to be useful in studying different branches of economics. Bk. III, on the Art of Political Economy, is the *locus classicus* on the relations between economics and politics.

STAMP, J. C. *Studies in Current Problems in Finance and Government*. 1924. pp. 3-25.

A plea for the development of methods of statistical verification of economic theory.

TUGWELL, R. G. *The Trend of Economics*. 1924. pp. xi + 556.

This collection of thirteen essays by representatives of the younger generation of American economists sets forth the authors' views on the further development of economics. It contains a fair proportion of rubbish, and some really valuable material, for which see notes on the separate essays by CLARK, KNIGHT, and MITCHELL. The volume contains a large unclassified bibliography of general and miscellaneous writings on economics, chiefly American. See also YOUNG.

TUTTLE, A. *The Wealth Concept*. 1891. AAA 1, pp. 615-34.

Traces the evolution of the wealth-concept, and says that it now means "a quantum of exchange value".

VEBLEN, T. *Why is Economics not an Evolutionary Science?* 1898. QJE 12, pp. 373-97.

Argues—in a strange jargon fortunately used exclusively by the author—that the hedonistic basis of economics has led to its being taxonomic in nature, but that the present-day drift is towards the evolutionary method. None of the author's writings is very readable, but this and the three that follow will repay careful study.

VINER, J. *Some Problems of Logical Method in Political Economy*. 1917. JPE 25, pp. 236-60.

A revival of interest in the deductive-inductive controversy is made the excuse for an efficient survey of the old ground with the final conclusion that both induction and deduction are equally important for economists.

WAGNER, A. *Grundlegung der Politischen Oekonomie*. 3rd 1892. pp. 137-285.

§§ 54-107 deal with the "Object, Aufgaben, Methoden, System der Politischen Oekonomie". The *Lehr- und Handbuch*, of which this forms the first part, was intended to be the standardized body of doctrine for the Historical School, and this statement on methodology has therefore a special importance. An added—although rather out-of-date—importance is given by the numerous notes on books.

WICKSTEED, P. H. *The Scope and Method of Political Economy in the Light of the "Marginal" Theory of Value and of Distribution*. 1914. EJ 24, pp. 1-23.

Based on an acceptance of the marginalist doctrines, upon which this article sheds much incidental light.

WIESER, F. VON. *Das Wesen und der Hauptinhalt der theoretischen Nationalökonomie*. 1911. SchmJb 35, pp. 909-31.

A review-article on SCHUMPETER's *Wesen und Hauptinhalt* with special attention to the relation of economics to psychology.

YOUNG, A. A. *English Political Economy*. 1928. Ec 8, pp. 1-15.

An inaugural lecture given at London in 1927, dealing analytically with the English economics of the past and prophesying that it "will be made into a more perfect instrument only by continually renewing and extending its contacts with life". See also the valuable articles on *Pigou's Wealth and Welfare*, 1913, QJE 27, pp. 672-86; *The Trend of Economics as seen by Some American Economists*, 1925, QJE 39, pp. 155-83 (a series of detailed criticisms of the essays in TUGWELL's *Trend of Economics*, for which see note under TUGWELL in this section. Reprinted in Young's *Economic Problems New and Old*, 1927, pp. 232-60); and *Economics as a Field of Research*, 1927, QJE 42, pp. 1-25.

THE MATHEMATICAL METHOD

The nature and importance of the mathematical method can best be discovered, not by reference to methodological treatises, but by studying the works on economics in which the method is employed. Some of the most important of these are L. AMOROSO's *Lezioni di Economia Matematica*, 1921, pp. x + 478; H. CUNYNGHAME's *Geometrical Political Economy* (on which see note below), and his article on *Some Improvements in Simple Geometrical*

Methods of Treating Exchange Value, Monopoly, and Rent, 1892, EJ 2, pp. 35-52; almost every one of F. Y. EDGEWORTH's writings, but especially his *Mathematical Psychics*, 1881, pp. vii + 150, and his collected *Papers*, 1925, 3 vols.; I. Fisher's *Mathematical Investigations in the Theory of Value and Prices*, 1892, reprinted 1926, pp. 126 (which also contains an explanation of an elaborate hydrostatic model designed by the author to illustrate price-movements); and W. S. Jevons's *Theory of Political Economy* [1871], 4th 1911, pp. lxiv + 339 (which contains a list of mathematico-economic writings from 1711-1879).

The following writings deal chiefly with the *methods* of applying mathematics to economics. Writings on the *validity* of mathematical methods have been referred to in the main class of books on THE SCOPE AND METHOD OF ECONOMICS, under which heading see EDGEWORTH, Jevons, Pareto, and others.

The best bibliography of works on mathematical economics is probably that by I. Fisher in the 1897 edition of A. Cournot's *Researches into the Mathematical Principles of the Theory of Wealth* (tr. by N. T. Bacon). It contains over 300 references to books and articles in modern European languages, arranged in periods and subdivided according to subject. O. Kühne's article entitled *Ueber die mathematische Methode in der deutschen theoretischen Nationalökonomie*, 1925, CJB 123, pp. 653-88, is provided with a large number of useful footnotes.

AMOROSO, L. *L'Applicazione della Matematica alla Economia Politica*. 1910. GE 40, pp. 57-63.

A short discussion of the chief ways in which mathematics can be applied to economics.

BOWLEY, A. L. *The Mathematical Groundwork of Economics*. 1924. pp. viii + 98.

An attempt "to reduce to a uniform notation, and to present as a properly related whole, the main part of the mathematical methods used by Cournot, Jevons, Pareto, EDGEWORTH, Marshall, Pigou, and Johnson, so far as these are applied to the fundamental equations of exchange and to the elementary study of taxation".

CUNYNGHAME, H. *A Geometrical Political Economy*. 1904. p. 128.

Contains an apology for the use of simple geometrical methods in economics, and exemplifies their application to certain problems.

EDGEWORTH, F. Y. *Papers Relating to Political Economy*. 1925. 3 vols.

Section VI in vol. 2 contains, among others, the following important papers:—"Applications of Mathematics to

Political Economy," 1889, Brit. Ass. Address; "The Determinateness of Economic Equilibrium," 1891, GE; "Application of the Differential Calculus to Economics," 1909, Scientia; "Applications of Probabilities to Economics," 1910, EJ; and "Recent Contributions to Mathematical Economics", 1915 EJ; and vol. 3 contains a review of FISHER'S *Infinitesimal Calculus* and Cournot's *Recherches*, reprinted from the 1898 EJ. Another article, which was certainly worthy of being reprinted, is *Professor Seligman on the Mathematical Method in Political Economy*, 1899, EJ 9, pp. 286-315. The reprinted pieces, together with this, provide a broad survey of the field of mathematical economics by one of its greatest authorities. The article on recent contributions is useful as a bibliography as well as for its own sake.

MURRAY, R. H. *L'Applicazione dei procedimenti matematici alle scienze sociali nel momento attuale*. 1915. GE 51, pp. 221-9.

Argues that the application of mathematics to the social sciences and particularly to economics is passing through a critical period, and ventures a prophecy of its future.

ZAWADZKI, W. *Les Mathématiques Appliquées à l'Économie Politique*. 1914. pp. 331.

Deals with the theoretical possibility of applying mathematics to pure economics, with Cournot, with the theory of diminishing utility, and with that of economic equilibrium. Special reference is made to Von Thünen, Cournot, Gossen, Jevons, Walras, Edgeworth, Fisher, Pareto, Marshall, Auspitz and Lieben, Wicksell, and others.

THE NATURE OF CAPITAL AND INCOME

The subject of this section is one of those fundamental concepts of economic science upon which there is considerable agreement among theorists of the first rank. Such differences as remain are chiefly matters of terminology and classification, or minor points which do not affect the main issues.

This general agreement has been arrived at after much learned controversy, of which two chief lines may be traced. The first of these was provoked by the publication, in 1889, of BÖHM-BAWERK'S *Positive Theorie des Kapitals*, which was criticized and defended, especially in QJE, over a period of nearly twenty years. The author's theory of interest and his concept of capital and the *Produktionsumweg* were the standards around which the battle raged most fiercely. Another valuable series of articles, concerned even more directly with the nature of capital, was started by FISHER in 1896, and summed up in his book on *The Nature of Capital and Income*, 1906.

AMOROSO, L. *Revisione critica dei recenti concetti nella teoria del capitale e delle loro fondamentali applicazioni*. 1909. GE 38, pp. 327-72.

Deals comparatively with the notion of capital in modern economics, and with modern theories of interest.

BÖHM-BAWERK, E. VON. *Positive Theorie des Kapitals*. [1889.] 3rd 1909-12. pp. xxiii + viii + 652 + 477.

Especiallly Bk. II, pp. 4-139, "Begriff und Wesen des Kapitals". For note, see under SYSTEMATIC TREATISES. For criticisms, see various articles in this section by CLARK, FETTER, and LANDRY; and also H. Bilgram's *Analysis of the Nature of Capital and Interest*, 1908, JPE 16, pp. 129-51. For a brilliant general counter-criticism, see BÖHM-BAWERK on *The Positive Theory of Capital and its Critics*, 1895-6, QJE 9, pp. 113-31 and 235-56 and 10, pp. 121-55, which deals with the theories of Bilgram, CLARK, HAWLEY, MACVANE, Walker, and White. See also his *Einige strittige Fragen der Capitalstheorie*, 1899, ZV 8. For further criticisms of CLARK, see *Capital and Interest Once More*, 1906, QJE 21, pp. 1-21; *The Nature of Capital: A Rejoinder*, 1907, QJE 22, pp. 28-47; *Gegenbemerkungen zu Prof. Clark's Replik betreffend "Das Wesen des Kapitals"*, 1907, ZV 16, pp. 441-57; and previous articles in ZV 15 and 16. See also BÖHM-BAWERK in section on INTEREST.

CANNAN, E. *What is Capital?* 1897. EJ 7, pp. 278-84.

Deals with the genesis of the "stock-and-flow" concept of capital and income. See also the articles by FISHER. Cannan's lexicographical article on the *Early History of the Term Capital*, 1921, QJE 35, pp. 469-81, has important bearings on modern discussions of the capital concept.

CARVER, T. N. *Clark's Distribution of Wealth*. 1901. QJE 15, pp. 578-602.

This important review-article is largely devoted to a criticism of CLARK's views on the nature and function of capital. For a more positive statement of Carver's views, see his article, *On the Concept of an Economic Quantity, II*, 1907, QJE 21, pp. 432-7. See also articles by BÖHM-BAWERK and CLARK in the same volume.

CLARK, JOHN BATES. *Capital and its Earnings*. 1888. Pub. Am. Econ. Ass. 1, 3, No. 2, pp. 69.

Deals with the nature, origin, function, and earnings, of capital. See also *The Genesis of Capital*, 1893, YR 2, pp. 302-15; *The Origin of Interest*, 1895, QJE 9, pp. 257-78; *Concerning the Nature of Capital: A Reply*, 1907, QJE 21, pp. 351-70; and *Über das Wesen des Kapitals*, 1907, ZV 16, pp. 426-40. See also BÖHM-BAWERK.

- DALTON, H. *The Inequality of Incomes*. 1920. pp. 162-72.
Pt. III, ch. 2, on "The Meaning of Income", contains a good example of definition by elimination.
- DAVENPORT, H. J. *Capital as a Competitive Concept*. 1904. JPE 13, pp. 31-47.
Questions whether the social concept of capital has any significance in connection with the value-problem, and suggests that it is irrelevant to the conditions of entrepreneur-production.
- FETTER, F. A. *Recent Discussions of the Capital Concept*. 1900. QJE 15, pp. 1-45.
A clear-headed criticism of the views of BÖHM-BAWERK, CLARK, and FISHER, culminating in a positive statement of the nature of capital. For further criticisms of FISHER, see *The Nature of Capital and Income*, 1907, JPE 15, pp. 129-48.
- FISHER, I. *The Nature of Capital and Income*. 1906. pp. xxi + 427.
A systematic exposition of the author's views, abounding in definitions and summaries. For the development of these views, see *What is Capital?*, 1896, EJ 6, pp. 509-34; *Senses of Capital*, 1897, EJ 7, pp. 199-213; *The Role of Capital in Economic Theory*, 1897, EJ 7, pp. 511-37; *Precedents for Defining Capital*, 1904, QJE 18, pp. 386-408; *Professor Tuttle's Capital Concept*, 1905, QJE 19, pp. 309-13; and *Professor Fetter on Capital and Income*, 1907, JPE 15, pp. 421-34. Fisher's theory emphasizes the importance of the time-element, and his "stock-and-flow" concepts are now widely accepted. See also CANNAN (to whom Fisher was greatly indebted), FETTER, MARSHALL, and TUTTLE.
- HAWLEY, F. B. *The Controversy About the Capital Concept* 1908. QJE 22, pp. 467-75.
Claims that a satisfactory definition can only be arrived at deductively, and draws attention to the definition thus arrived at in his recent *Enterprise and the Productive Process*, 1907, on which, see note under RISK. For a criticism, see BÖHM-BAWERK in QJE 9 and 10.
- LANDRY, A. *On the Returns of Productive Agents and on the Productivity of Capital in Particular*. 1909. QJE 23, pp. 557-92.
This useful article deals at length with definitions of capital, and criticizes BÖHM-BAWERK's concept of the *Produktionssumweg*. The equation $\frac{a \times t}{t} = a$ on p. 583, should read $\frac{a \times t}{a} = t$, and is so corrected in a later number. See also BÖHM-BAWERK, CLARK, and FETTER, in earlier vols.

- MACVANE, S. M. *Capital and Interest*. 1892. QJE 6, pp. 129-50.
Proposes that "the word 'capital', standing without modifying words, shall hereafter be understood not to include resources for the payment of wages, but to apply only to the apparatus of production and exchange in the strict sense". For a criticism, see BÖHM-BAWERK in QJE 9 and 10.
- MARSHALL, A. *Distribution and Exchange*. 1898. EJ 8, pp. 37-59.
Deal's with FISHER's definition. "The difference between us is small and is mainly one of words."
- MARX, K. *Das Kapital*. [1867.] 4th 1890-94. 3 vols.
Marx's chief points, which have a historical rather than a practical interest, relate to his "General Formula", the place of capital in modern industry, and the accumulation of capital. See note under SYSTEMATIC TREATISES for bibliographical details.
- MENGER, C. *Zur Theorie des Kapitals*. 1888. CJb 51, pp. 1-49.
An important comparative and analytical study of the nature of capital.
- PATTEN, S. N. *The Fundamental Idea of Capital*. 1889. QJE 3, pp. 188-203.
Defines the fundamental idea of capital as a "stock of labor accumulated both in man and land", and "differing from a stock of commodities".
- SMART, W. *New Wealth*. 1894. PSQ 9, pp. 445-65.
Argues that part of the national dividend is not true income at all, in the sense of being drawn from "new wealth", but an encroachment on "old wealth".
- TUTTLE, C. A. *The Real Capital Concept*. 1903. QJE 18, pp. 54-96.
This article and its successor on *The Fundamental Notion of Capital, Once More*, 1904, QJE 19, pp. 81-110, are important when read in conjunction with the article from FISHER which they evoked.
- VEBLEN, T. *On the Nature of Capital*. 1908. QJE 23, pp. 104-36.
Provides, together with an article in QJE 22, a classification and examination of forms of capital.

SYSTEMATIC TREATISES

It used to be fashionable for every economist of standing to produce a work on "Principles" at some stage or other of his career. This fashion is dying out, and there are many eminent Professors now living who not only have not written a systematic treatise, but apparently intend never to do such a thing. There are advantages in such a change of custom. The old stately tomes usually contained much improperly-digested matter on which the author was not an authority and in which he was not interested, but which had to be included to preserve the internal proportions of the book. Much of such matter—especially chapters on Production and Exchange—was presented in almost identical terms in a wide range of books. As a consequence, the original thoughts of an author on a subject in which he had specialized, were often obtainable only in conjunction with many unoriginal and unwanted thoughts on other subjects—a very undesirable case of Joint Supply.

But it would be a pity if the custom of publishing solely in periodical articles and monographs became universal. The private student would be left without a guide in the midst of a flood of literature, which seems to increase according to the Malthusian formula without meeting with any of the Malthusian checks. And, of course, a good "Principles" is much more than a mere guide-book; it is the expression of a personality and its outlook on things in general.

Thus, MARSHALL'S *Principles*, in spite of the obsolescence of some of its parts, still remains as a whole the best standard work for the English student. Its chief fault is a too-close adherence in the matter of arrangement to the example of the classical theorists, whose influence in this respect seems to have affected all English economists except CANNAN and PIGOU.

The earlier American works followed the English tradition fairly faithfully, although they were often specially preoccupied with questions of FUNCTIONAL DISTRIBUTION. The more modern works have developed a new technique of presentation, however, in which emphasis on pedagogical aims—exemplified in the common custom of providing reading-lists and questionnaires—and interest in concrete problems of economic life are prominent.

The earlier German systematic treatises were proverbially comprehensive, and normally appeared in several volumes. The chief disadvantage of this method of publication, apart from

its dullness and wastefulness, is the Hiawatha-like habit which most of its exponents have, of shooting off successive editions of the earlier volumes with such strength and swiftness, that Vol. 1 has often reached its fifth or sixth edition before the last volume has appeared at all. Modern German theorists appear to prefer to publish books dealing with one branch of economics rather than imitate the many-volumed productions of their predecessors.

Italian works are usually comprehensive, too, although not beyond the decent limits of some seven or eight hundred pages. They often show a special interest in mathematics and problems of finance. The best of them deserve to be far better known in England than they are at present; perhaps a good translator will do for them what Smart did for the Austrians.

France has produced very few systematic works of any value. COLSON's excellent *Cours* seems to have been influenced chiefly by German tradition in the matter of presentation, and LANDRY's useful *Manuel* by the example of MARSHALL.

A few of the works in the following list do not usually rank as "Principles", but are included for various reasons which are mentioned in the notes.

BARONE, ENRICO. *Principi di Economia Politica*. [1908.] 5th 1920. pp. vi + 269.

A standard Italian work, arranged on a plan which gives emphasis to the author's special interests. The book is in six sections, which deal respectively with the Economic Equilibrium, The Factors of Production, International Exchange, Money, Monopolies, and Crises.

BÖHM-BAWERK, EUGEN VON. *Kapital und Kapitalzins*. [1884-89.] 3rd 1909-14. 2 Vols.

The author was Professor at Vienna, b. 1851, d. 1914. The book was the first large treatise produced by the Austrian School, and although it is not so comprehensive as that since published by WIESER, it leaves very few parts of economic theory unilluminated. Most space is devoted to the problems of value and interest. Vol. 1, *Geschichte und Kritik der Kapitalzinstheorien*, 3rd 1914, pp. xxxv + 747, is an elaborate and impressively exhaustive comparative study, in which theories of interest are grouped into thirteen classes and very thoroughly demolished. Vol. 2, *Positive Theorie des Kapitals*, 3rd 1909-12, xxiii + viii + 652 + 477, consists of a treatment of the Positive Theory in four books (on the nature of capital, capital as an instrument of production, value and price, and interest), and fourteen excursions on incidental matters.

CAIRNES, J. E. *Some Leading Principles of Political Economy*. 1874. pp. 421.

The author (b. 1823, d. 1875) has been referred to as "one of Mill's most distinguished disciples and one of his most

vigorous critics". His attempt at the reconstruction of the classical body of doctrine was virtually a confession of its essential inadequacy. The book deals with Value, Labour and Capital (including two chapters on Trade-Unionism), and International Trade. From 1866 to 1872, Cairnes was Professor at University College, London.

CANNAN, EDWIN. *Wealth*. [1914.] 3rd 1928. pp. xxvii + 292.

Although in title and bulk this book does not claim to rank with the "principles", the remarkable originality and concentration of its contents make it far more valuable than most more pretentious works. The treatment is at the same time more fundamental, and less technical, than is usual in text-books. Even in writing a book for beginners, the author did not hesitate to display that constructive disrespect for mere tradition for which he, and the London School of Economics, were perhaps chiefly known, and consequently his *Elementary Political Economy*, 1888, pp. 152, is still of use to both beginner and advanced student. Cannan was born in 1861, and was Professor at the London School of Economics from 1907 till 1926.

CARVER, THOMAS NIXON. [*Principles of Political Economy*, 1919.] *Principles of National Economy*. 1921. pp. vi + 773.

The book was "written for all those who are interested in the problem of national prosperity and who believe that this should be the aim of all good citizenship," but this need not deter the serious student. The subjects dealt with are: "Factors of National Prosperity," "Economizing the Factors of Production," "The Productive Industries," "Exchange," "Distribution," "Consumption," "Public Finance", and "Reform". *The Distribution of Wealth*, 1904, pp. vii + 290, provides further reading concerning the valuation of services. The author (b. 1865) is Professor at Harvard.

CASSEL, GUSTAV. *Theoretische Sozialökonomie*. [1918.] 3rd 1923. pp. x + 595.

From a general survey of the social economy, the author is led to discuss the pricing process, first as a method of limiting demand and then as it applies to the "Zurechnungsproblem". The last factor needed to make the conclusions of this section determinate is the value of money, which is dealt with in Bk. III. Bk. IV is a study of the effects of trade cycles, and contains a short chapter on causation. The author (b. 1866) is Professor at Stockholm. An English translation, entitled *The Theory of Social Economy*, 1923, 2 vols., has been made by Joseph McCabe. It is not a very good translation. For a shorter statement and some modifications and additions, reference should be made to

the author's *Fundamental Thoughts in Economics*, 1925, pp. 159, written by himself in much better English than his translator's. Cassel's originality may not be so striking as he has sometimes imagined, but at the lowest estimate modern theory is deeply indebted to him, perhaps chiefly in the fields of methodology and monetary science.

CLARK, JOHN BATES. *Essentials of Economic Theory*. 1907. pp. xiv + 566.

"A brief and provisional statement of the more general laws of progress," intended as a supplement to the author's *Distribution of Wealth*, 1902, xxviii + 445, which dealt with static conditions, and to which reference should also be made. See also the earlier work on *The Philosophy of Wealth*, 1886, pp. xiii + 235, which sought a place "in the hands of readers and thinkers who have long been in revolt against the general spirit of the old political economy". (The nature of the revolt in which Clark was a leader may be partly understood from reference to those works of his listed elsewhere in this bibliography, especially in the sections on SCOPE AND METHOD, CAPITAL AND INCOME, VARIATION OF PRODUCTIVITY, CONCEPT OF VALUE, FUNCTIONAL DISTRIBUTION, WAGES, INTEREST, and PROFITS.) Clark (b. 1847) was Professor at Columbia University.

COHN, GUSTAV. *System der Nationalökonomie*. 1885-9. 2 vols. Vol. 1 of this work consists of the usual "Grundlegung", and Vol. 2 of a treatise on "Finanzwissenschaft". Only the first volume is of importance for the ordinary student. Its most valuable sections are those dealing with methodology, and with production, exchange, and distribution. The author (b. 1840, d. 1919) was Professor at Göttingen.

COLSON, C. *Cours d'Économie Politique*. [1901-07.] 3rd 1916-24. 6 Vols.

The author of this surprisingly comprehensive work is an eminent French engineer, whose writings admirably combine the virtues usually supposed to be associated with "theory" and "practice" respectively. The volumes are entitled as follows: 1, *Théorie générale des phénomènes économiques*. 2, *Le travail et les questions ouvrières*. 3, *La propriété des capitaux, des agents naturels et des biens incorporels*. 4, *Les entreprises, le commerce et la circulation*. 5, *Les finances publiques et le budget de la France*. 6, *Les travaux publics et les transports*.

DAVENPORT, HERBERT JOSEPH. *The Economics of Enterprise*. 1913. xvi + 544 pp.

The author (b. 1861. Professor at Cornell) is one of the most original of the American writers. His writings stress the importance of the entrepreneur function. Reference

should also be made to his *Value and Distribution*, 1908, pp. xi + 582, for supplementary theory.

DIEHL, KARL. *Theoretische Nationalökonomie*. 1916-27. 3 vols.

The author (b. 1864) is Professor at Freiburg. The book is arranged very systematically. Vol. 1 [1916] 2nd 1922, pp. ix + 500, "Einleitung in die Nationalökonomie" deals with method; vol. 2, 1924, pp. viii + 372, deals with "Die Lehre von der Produktion"; and vol. 3, 1927, pp. ix + 602, with "Die Lehre von der Zirkulation": i: "Wert und Preis," ii: "Geld und Kredit."

DIETZEL, HEINRICH. *Theoretische Socialökonomik*. 1895. pp. xi + 297.

The *Theoretische Socialökonomik* forms the second part of the *Lehr- und Handbuch*, for which see WAGNER. Dietzel's contribution was intended to consist of two volumes, but the second volume was never published. Vol. 1 contains a discussion of scope and method and fundamental ideas.

ELY, RICHARD T. and THOMAS S. ADAMS, MAX O. LORENZ, and ALLYN A. YOUNG. *Outlines of Economics*. 4th 1923. pp. 729.

This fourth, revised, edition is quite a different book from the first edition, by Ely alone, which was published in 1893. Perhaps its most valuable sections are those dealing with Value and Exchange, and especially with Monopoly. The main divisions of the book are: I, "Introduction"; II, "Principles and Problems: i Production and Consumption, ii Value and Exchange, iii Distribution, iv Selected Economic Problems"; III, "Public Finance". Appendix A is a short history of Economic Thought—too short to be of any real value,—and Appendix B contains "Suggestions for Students and Teachers". These suggestions take the form of a very useful commentary on books and periodicals. Ely (b. 1854) was Professor at Wisconsin; Adams (b. 1873) is Professor at Yale; and Young (b. 1876—d. 1929) was Professor at Harvard and at the London School of Economics.

FETTER, FRANK A. *The Principles of Economics*. 1904. pp. xv + 610.

In this work, the author (b. 1863. Professor at Cornell and Princeton) "aimed to present a uniform theory of distribution under the conditions of the modern price system. Value, rent, wages, and interest were for the first time in a general text treated as different manifestations of the same general principles, not as contrasted phenomena". Part I deals with "The Value of Material Things", Part II with "The Value of Human Services", and Part III with "The Social Aspects

of Value". This plan was further developed in a companion volume, *Economic Principles*, 1915, pp. 523, which "seeks to bring out more clearly in the theoretical side important distinctions such as those between the individual psychology of value and market price, static and dynamic conditions, temporary and more permanent changes, commercial and welfare problems." A number of practical applications of the principles are dealt with in *Modern Economic Problems* [1916], 2nd 1922, pp. 611.

FISHER, IRVING. *Elementary Principles of Economics*. 1912. pp. xxviii + 531.

The author (b. 1867) is Professor at Yale, and the arrangement of the book is refreshingly unusual. The most original chapters are those dealing with the concepts of capital and income, money, the Quantity Theory of individual prices, and personal distribution. One of the chief merits of the book is its lucidity, although there is a slight superabundance of illustrative arithmetic and diagram.

FLUX, A. W. *Economic Principles*. [1904.] 2nd 1923. pp. xxii + 305.

The author (b. 1867) was Professor at McGill University. The book provides a scholarly introduction, to Marshallian views on economics. The chapter summaries, each containing short references to other books, are likely to be specially useful to the beginner. An appendix treats some problems mathematically.

GOBBI, ULISSE. *Trattato di Economia*. 1919. pp. 653.

Deals with General and Elementary Notions, Wealth, Supply and Demand (including functional distribution), and Industrial Organization (this being by far the biggest section, including studies of production, public finance, etc.). This is probably the best modern Italian general text.

GRAZIANI, AUGUSTO. *Istituzioni di Economia Politica*. [1904.] 4th 1925. pp. xix + 803.

The author is Professor at Naples. The book is divided into six sections which deal with Scope and Method, Elementary Notions, Production, Value, Distribution, Money, Banking, and Commerce. It is a large and useful work, although a little tedious, and its footnotes are a good guide to further reading.

HADLEY, ARTHUR TWINING. *Economics*. 1896. pp. xi + 496.

The author (b. 1856) was Professor at Yale, and his book is "an attempt to apply the methods of modern science to the problems of economic business". The subjects dealt with include: Public and Private Wealth, Economic Responsibility, Competition, Speculation, Investment, Combination, Money, Credit, Profits, Wages, Machinery and

Labour, Co-operation, Protective Legislation, and Government Revenue. Each chapter contains a short bibliography.

HAWTREY, R. G. *The Economic Problem*. 1926. pp. xii + 417.

A very stimulating work for the advanced student. Chapters 1-12 are descriptive of the present economic system, chapters 13-15 deal with psychological assumptions, and chapters 16-31 are critical and speculative.

JEVONS, W. STANLEY. *The Theory of Political Economy*. [1871.] 4th 1911. pp. lxiv + 339.

The author (b. 1835, d. 1882) was Professor at University College, London. "In this work I have attempted to treat Economy as a Calculus of Pleasure and Pain, and have sketched out, almost irrespective of previous opinions, the form which the science, as it seems to me, must ultimately take. I have long thought that as it deals throughout with quantities, it must be a mathematical science in matter if not in language." "The Theory of Economy thus treated presents a close analogy to the science of Statical Mechanics." Jevons was the founder of the English Mathematical School, and reached very similar conclusions to those arrived at contemporaneously and independently by MENGER and WALRAS. His early death prevented him from completely expounding the system which he had evolved; the nature of it is but vaguely indicated in the posthumous publication rather misleadingly entitled *The Principles of Economics*, 1905, pp. xxviii + 273, which he had intended to consist of 72 chapters, but which actually contains only 20, dealing chiefly with the subjects already touched upon in *The Theory*.

KLEINWÄCHTER, FRIEDRICH VON. *Lehrbuch der Nationalökonomie*. [1902.] 3rd 1921. pp. xviii + 560.

One of the more useful single-volume German works. The subject-matter is systematically arranged in sections dealing with Scope and Method, Production, Exchange, Value and Price, Money and Credit, Income.

KNIGHT, FRANK H. *Risk, Uncertainty and Profit*. 1921. pp. xiv + 381.

The author (b. 1885, Professor at Iowa) attempts to analyse "the problem of the contrast between perfect competition and actual competition" and finds it necessary in the pursuit of this aim to cover a far wider field than is suggested by the title or preface. It would, in fact, be difficult to discover a better short statement of pure economic theory.

LANDRY, ADOLPHE. *Manuel d'Économie*. 1908. pp. 889.

The best French text-book for general purposes; a careful

and exhaustive work, arranged on a somewhat similar plan to that of MARSHALL.

- LIEFMANN, ROBERT. *Grundsätze der Volkswirtschaftslehre*. [1919.] 2nd 1920-1. 2 vols.

The author (b. 1874) is Professor at Freiburg. Among the subjects dealt with in vol. 1, pp. xxiii + 708, are the Present Position of Economic Theory and its Fundamental Errors, and Methodological Problems, and in vol. 2, pp. xviii + 846, Exchange, Price, Income, and Economic Welfare.

- LORIA, ACHILLE. *Corso di Economia Politica*. [1909.] 2nd 1919. pp. xi + 761.

The author (b. 1857) is Professor at Turin, and the most well-known Italian economist. The book deals competently with Scope, Method, Production, Distribution, Circulation, Population, and the State as an Economic Factor, although the method of approach is rather old-fashioned.

- MARSHALL, ALFRED. *Principles of Economics*. [1890.] 8th 1920. pp. xxxiv + 871.

The author (b. 1842, d. 1924) was Professor at Cambridge. He was interested in economics chiefly because it seemed to promise a solution to the problem of poverty. The *Principles* was intended to form the first volume of a two-volume work, but the second never appeared. This procrastination in publishing was one of the author's outstanding characteristics, and much of his best work had appeared in his pupils' books long before he published it himself. The place of the second volume was to some extent taken by *Industry and Trade*, 1919, pp. xxiv + 875, and *Money, Credit, and Commerce*, 1923, pp. xv + 369. The *Principles* is divided into six books, which deal respectively with: Preliminary Matters, Fundamental Notions, Wants and their Satisfaction, The Agents of Production, General Relations of Demand, Supply, and Value, and The Distribution of the National Dividend. There are in addition thirteen appendices dealing with various methodological and historical questions. Mathematics, and especially the use of curves, plays a large part in Marshall's system; and his footnotes are often made the modest medium for conveying extremely important results obtained by mathematical processes. The *Elements of Economics of Industry*, [1892], 3rd 1899, pp. xix + 440, is a shortened presentation of the argument of the *Principles*, with some additional matter. It should not be confused with an earlier work by the author and his wife, *The Economics of Industry*, [1879], 2nd 1881, pp. xvi + 231, which he later withdrew from circulation. Whether his various theories stand the test of time or not, Marshall's standing as a great economist can scarcely ever be challenged, for it is founded quite as much upon his general

attitude to the science as upon any specific doctrines which he propounded. Nevertheless, in the matter of important specific doctrines he has probably been more prolific than any other modern economist. J. M. Keynes (in *Memorials of Alfred Marshall*, 1925, pp. ix + 518, a valuable source of information concerning Marshall and his writings) considers the chief of these specific contributions to be: The Theory of Value, the Theory of Economic Equilibrium, with its two corollaries, the ideas of The Margin and Substitution, the explicit introduction of the Time Element, the Conception of Consumer's Surplus, the analysis of Monopoly, and the idea of Elasticity. In addition, he mentions the important contributions to Monetary Science and to Economic History which do not come within the scope of this bibliography. Reference should be made to the writings of Marshall's pupils, especially those of H. D. Henderson, J. M. Keynes, D. H. Robertson, and A. C. Pigou.

MARX, KARL. *Das Kapital*. [1867.] 4th 1890-4. 3 Vols.

This work, which has exercised its chief influence outside scientific circles, is dominated by the idea of the "Mehrerwerth" or Surplus Value created but not enjoyed by Labour. It is perhaps best regarded as a commentary on modern industrial history. The three volumes deal with "Der Produktionsprozess des Kapitals", "Der Zirkulationsprozess des Kapitals", and "Der Gesamtprozess der kapitalistischen Produktion". S. Moore and E. Aveling made an English translation entitled *Capital* in 1887; and this has been abridged by S. L. Traske, edited by J. Borchardt, and published as *The People's Marx* in 1921.

MENGER, CARL. *Grundsätze der Volkswirtschaftslehre*. [1871.] 2nd 1923. pp. xxvi + 335.

The author (b. 1840, d. 1921) was Professor at Vienna and a pioneer member of the Austrian School. The book deals with Wants, Goods, Value, Price, and Money, the sections on Value being naturally the most distinctive.

NEWCOMB, SIMON. *Principles of Political Economy*. 1886. pp. xvi + 548.

This is a very original introduction to the science by a mathematician, chiefly known by his astronomical writings, and apparently not so famous as an economist as he deserves to be. In this book he "endeavoured to exclude all mere views, and substitute independent investigation for argument", and insists on the desirability of presenting economics "in a scientific form as an established body of principles". The sections of the book deal with: I, Logical Basis and Method; II, Description of the Social Organism; III, The Laws of Supply and Demand; IV, The Societary Circulation; V, Applications of Economic Science.

- OPPENHEIMER, FRANZ. *System der Soziologie. III Band: Theorie der reinen politischen Ökonomie.* [1910.] 5th 1923-4. pp. xxv + xiii + 1148.

The author, who is Professor at Frankfurt, deals in the first half-volume with the usual "Grundlegung", and in the second with "Die Gesellschaftswirtschaft: i, Personalökonomik; ii, Nationalökonomik."

- OSWALT, H. *Vorträge über wirtschaftliche Grundbegriffe.* [1905.] 4th 1922. pp. vi + 169.

These scholarly but very readable lectures deal first with certain fundamental ideas and then with the "economic problem" and its solution by means of the pricing process. This is perhaps the simplest good German text-book.

- PANTALEONI, MAFFEO. *Manuale di Economia Pura.* [1889.] 2nd 1894. pp. 376.

This is a classic of the Mathematical School, and contains, besides much new matter of the author's, some previously unpublished work of MARSHALL'S. A translation into English, entitled *Pure Economics*, was published in 1898. The author (b. 1857, d. 1924) occupied several chairs and was finally Professor at Rome.

- PARETO, VILFREDO. *Cours d'Économie Politique.* 1896-97. 2 Vols.

The author (b. 1848, d. 1923) was trained as a mathematician and succeeded WALRAS as Professor at Lausanne in 1893. His chief work consisted in expanding and extending the mathematical theories of his predecessor. Reference should also be made to his *Manuale di Economia Politica*, 1906, pp. xii + 579, of which a French translation was made by A. Bonnet and published as *Manuel d'Économie Politique* in 1909.

- PHILIPPOVITCH, EUGEN VON. *Grundriss der politischen Oekonomie.* [1893-9.] Many subsequent unco-ordinated editions. 2 Vols.

The author (b. 1858, d. 1917) was Professor at Vienna, and one of the foremost but least extreme members of the Austrian School. His very comprehensive book stresses the importance of "Politik" in economic matters.

- PIERSON, N. G. *Principles of Economics* (translation by A. A. Wotzel, of *Leerboek der Staatshuishoudkunde*, 1896-1902). 1902-12. 2 Vols.

The author (b. 1839, d. 1909) was Professor at Amsterdam. His book deals with: I, Value in Exchange; II, Money; III, Production; IV, State Revenue.

- PIGOU, A. C. *The Economics of Welfare.* [1920.] 3rd 1929. xxxi + 835.

The author (b. 1877) succeeded MARSHALL as Professor at Cambridge, and is the most distinguished exponent of the

modern Cambridge system of economics. The above book should be studied comparatively with the first edition, and with its embryonic form, *Wealth and Welfare*, 1912, pp. xxxi + 493, partly because the full meaning of Pigou's system in its present developed form cannot be appreciated without a knowledge of its growth, and partly because, with rare fidelity to the truth, the author has considerably modified some of his views (e.g. those relating to the marginal social net product) from time to time. The two sections which were omitted from the 1924 edition have been expanded to form *Industrial Fluctuations*, 1927, pp. xxii + 397, and *Public Finance*, 1928, pp. xvii + 323. The author states that the trilogy thus evolved embodies "the main part" of what he has to say on "general economics". The various editions are divided into sections as follows:—

<i>Wealth and Welfare.</i>	<i>The Economics of Welfare.</i>	
1912. pp. xxxi + 493.	1920. pp. xxxvi + 976.	1924. pp. xxviii + 783.
I. Welfare and the National Dividend.	I. Welfare and the National Dividend.	I. Welfare and the National Dividend.
II. The Magnitude of the National Dividend.	II. The Magnitude of the National Dividend.	II. The Magnitude of the National Dividend.
	III. The National Dividend and Labour.	III. The National Dividend and Labour.
	IV. The National Dividend and Government Finance.	[<i>Public Finance</i> , 1928, pp. xvii + 323.]
III. The Distribution of the National Dividend.	V. The Distribution of the National Dividend.	IV. The Distribution of the National Dividend.
	VI. The Variability of the National Dividend.	[<i>Industrial Fluctuations</i> , 1927, pp. xxii + 397.]

The differences between the second and third editions are comparatively few.

SCHUMPETER, JOSEPH. *Das Wesen und der Hauptinhalt der theoretischen Nationalökonomie*. 1908. pp. xxxii + 626.

The author was Professor at Bonn, and is one of the most outstanding members of the younger generation of German economists. His works exhibit a masterly combination of the methods of Vienna and Lausanne. The above book deals with: I, "Grundlegung"; II, "Das Problem des statischen Gleichgewichtes"; III, "Die Verteilungstheorie"; IV, "Die Variationsmethode"; V, "Zusammenfassung dessen, was

sich aus dem Vorgehenden zur Beurteilung des Wesens, Erkenntniswerks und der Entwicklungsmöglichkeiten des theoretischen Ökonomie ergibt." Useful supplementary reading may be found in the author's *Theorie der wirtschaftlichen Entwicklung*, [1912], 2nd 1926, pp. xiv + 369, which develops the concepts relating to dynamic forces in the economic world.

SCHMOLLER, GUSTAV. *Grundriss der allgemeinen Volkswirtschaftslehre*. [1900-4.] 2nd 1919-23. 2 Vols.

The author (b. 1838, d. 1917) was Professor at Berlin, and one of the most prominent and extreme members of the Historical School and of the group of "Professorial Socialists". The *Grundriss* deals with: Introduction, Methodology: I, "Land, Leute, und Technik"; II, "Die gesellschaftliche Verfassung der Volkswirtschaft"; III, "Der gesellschaftliche Prozeß des Güterumlaufs und der Einkommensverteilung"; IV, "Die Entwicklung des volkswirtschaftlichen Lebens im ganzen."

SEAGER, HENRY ROGERS. *Principles of Economics*. [1913.] 2nd 1923. pp. xx + 698.

The author (b. 1870) is Professor at Columbia University. The book is really the 6th edn. of his *Introduction to Economics*, 1904. The subjects dealt with include Consumption, Value, Production, Distribution, Price, Money, Credit and Banking, Special Problems—tariffs, monopolies, railways—, Government Expenditure, Labour, Socialism, and Economic Progress.

SELIGMAN, EDWIN R. A. *Principles of Economics*. [1905.] 10th 1923. pp. liv + 711.

The author (b. 1861) is Professor at Columbia University. The book is written with special reference to American conditions. "Throughout the entire work the author endeavours to reconcile the historical and the *a priori* methods, and to provide an analysis of existing industrial society in the light of a treatment which, while seeking to emphasize the importance of wealth, lays especial emphasis on the human side of the subject and the subordination of wealth to man." The book contains some useful bibliographies and suggestions for students, and is one of the most popular standard American texts. Problems of finance are deliberately omitted; supplementary reading on this subject is referred to under Seligman in the section on PUBLIC FINANCE.

SIDGWICK, HENRY. *The Principles of Economics*. [1883.] 3rd 1901. pp. xxiv + 592.

The author (b. 1838, d. 1900) was Professor of Moral Philosophy at Cambridge. The book is full of strikingly original

thoughts and has remained remarkably up-to-date. Book I deals with Production, Book II with Distribution and Exchange, and Book III with the Art of Political Economy.

SPANN, OTHMAR. *Fundament der Volkswirtschaftslehre*. [1918.] 2nd 1921. pp. xvi + 372.

The author, who is Professor at Vienna, pays special attention in this work to "fundamentals".

STUART, C. A. VERRIJN. *Die Grundlagen der Volkswirtschaft*. 1923. pp. viii + 296.

The author is Professor at Utrecht and his book provides the best example of modern Dutch theory. He divides his book into two sections which deal respectively with General "Foundations" and Particular "Foundations".

SUPINO, CAMILLO. *Principi di Economia Politica*. [1904.] 6th 1923. pp. ix + 597.

The author is Professor at Pavia. Besides the Introduction on methodology, there are three parts to the book, on The Economic Organization (Wants, Goods, Production, Accumulation and Consumption, Value, Population, etc.), Circulation, and Distribution.

TAUSSIG, F. W. *Principles of Economics*. [1911] 3rd 1921. 2 v.

The author (b. 1859) is Professor at Harvard and his book provides an interesting example of the application of Cambridge doctrine to American conditions. It is one of the best available introductions to economics, but the author has hardly fulfilled his claim that "though designed in this sense for the beginner the book does not gloss over difficulties or avoid severe reasoning". The subjects dealt with are: I, "Organization of Production"; II, "Value and Exchange"; III, "Money and the Mechanism of Exchange"; IV, "International Trade"—a subject on which the author is a specialist; V, "The Distribution of Wealth"; VI, "Problems of Labour"; VII, "Problems of Economic Organization"; VIII, "Taxation." There are short bibliographies at the end of each book.

TAYLOR, F. M. *Principles of Economics*. [1911.] 2nd 1913. pp. viii + 476.

This is an excellently-arranged text-book, prepared for the use of students in the University of Michigan.

WAGNER, ADOLF (Editor). *Lehr- und Handbuch der politischen Oekonomie*. 1876. 4 vols.

The editor (b. 1835, d. 1917) was Professor at Berlin, and a prominent member of the Historical School. His strong

desire to translate his théories into practice is reflected in the large space given to questions of "Politik" in his writings. The *Lehr- und Handbuch* was intended to supply the need for a new system of doctrine to replace the classical system which the Historical School refused to accept. Consequently, the book is rather encyclopaedic in nature and bulk. The original plan of the work was as follows: I, *Grundlegung der politischen Oekonomie*. II, *Theoretische Socialökonomik*. III, *Practische Volkswirtschaftslehre*. IV, *Finanzwissenschaft*. V, *Litteraturgeschichte der politischen Oekonomie*. Vol. 2 was written by DIETZEL, vol. 3 has little interest for the student of pure theory, vol. 4 was written by Wagner and is noted in the section on PUBLIC FINANCE and vol. 5 was never published. Wagner also wrote vol. 1, the *Grundlegung der politischen Oekonomie* [1876], 3rd 1892-4, 2 half-vols., which consists of a discussion of scope and method, and an account of the influence of institutions on the economic life.

WALKER, FRANCIS A. *Political Economy*. [1883.] 3rd 1888. pp. vi + 537.

The author (b. 1840, d. 1897) was a soldier, and Professor at Yale. The book is arranged on the usual lines, with the addition of an interesting final section on "Some Applications of Economic Principles".

WALRAS, LÉON. *Éléments d'Économie Politique Pure*. [1874-77.] 4th 1900. pp. xxiv + 496.

The author (b. 1834, d. 1910) was Professor at Lausanne, and one of the leading mathematical economists. The book regards exchange as the central economic phenomenon and treats all other branches of economic study in relation to this central fact.

WICKSELL, KNUT. *Vorlesungen über Nationalökonomie. Erster Band: Theoretische Teil*. 1913. pp. xi + 290.

The author (b. 1851, d. 1926) was Professor at Lund, and one of the foremost of the Swedish economists. The book starts with a study of population, which leads to discussions of value, production, and distribution.

WICKSTEED, PHILIP H. *The Common Sense of Political Economy*. 1910. pp. xi + 702.

An excellent and clear-headed presentation of the marginal theory with all its subtleties and nice abstractions. Perhaps there has never been a text-book written for beginners which is both so hard for them to understand and so difficult for them to leave unfinished. It is a strange thing that, in a land of enterprising publishers, such a book should have remained out-of-print for so long.

WIESER, FRIEDRICH VON. *Theorie der gesellschaftlichen Wirtschaft*. [1914.] 2nd 1924. pp. xi + 330.

The author (b. 1851, d. 1926) was Professor at Vienna. The book is the first general systematic treatise produced by the Austrian School, and has thus a double importance. The "Simple Economy" is dealt with first, and in great detail, successive sections dealing with increasingly complex "economies".

PRODUCTION

The Theory of Production, as treated in most text-books, aims at the solution of two problems—that concerning the Aim and Nature of the Productive Process, and that concerning its Method. On the first problem, there would appear to be little to be said. Almost any standard text deals with the subject more or less adequately, and R. Zuckerkandl's article entitled *Zur Produktionslehre*, 1925, SchmJb 49, pp. 1231–68, covers the ground in a satisfactory manner. On the special concept of unproductive labour, P. Mombert's article on *Produktive und Unproduktive Arbeit*, 1918, CJb 110, pp. 305–10, is worth referring to in conjunction with his previous article in ZS 8.

The second problem has attracted much more attention, which has manifested itself partly in discussions about the nature and grouping of the "Factors" or "Agents" of Production, and partly in theories of Population and Diminishing Returns. The traditional division of the factors into three or four groups was based upon views as to their origin which differ from those held by certain modern theorists. On this matter the systematic treatises are again the best sources of information. A small number of good articles have been written on the problems of Risk, Incentive in general, and the Incentive to Save, however, and some of these are noted below. The question of Division of Labour has also received a large amount of individual attention, especially in connection with the subject of International Trade.

It is only in recent years that the so-called Law of Diminishing Returns has been given its proper place as a statement of one aspect of the universal law of Productive Variation. The Theory of Population has been treated as a mere section of the Theory of Variation by many writers, but others consider that its significance transcends the bounds of Production-Theory and treat it as one of the main divisions of economics.

INCENTIVE

This subject lies on the borderland between economics and psychology, and neither economists nor psychologists have dealt with it very satisfactorily. The economists seem to have been more successful with it when they have approached it incidentally in their discussions of SUPPLY, than when they have deliberately attempted to discuss it as an isolated problem. Important

assumptions concerning the force and nature of the chief present economic incentives are made in many discussions of FUNCTIONAL DISTRIBUTION in general, and of WAGES, INTEREST, PROFITS, and RENT in particular.

DICKINSON, Z. C. *Economic Motives*. 1922. pp. vii + 304.

This study of the psychological foundations of economic theory is divided into three parts:—I, Historical; II, Psychological Analysis of Motives; III, The Applications of Psychology to Problems of Economic Theory.

GONNER, E. C. K. *Some Considerations about Interest*. 1908. EJ 18, 42–51.

A discussion of the incentives to saving, arguing that the payment of interest is necessary, not to secure saving, but to distribute the savings among different enterprises in the best manner. For further discussions of the incentives to supply capital, see under INTEREST, and also the following articles:—A. B. Wolfe on *Savers' Surplus and the Interest Rate*, 1920, QJE 35, pp. 1–35; T. N. Carver on *Automatic Saving and the Rate of Accumulation*, 1924, QJE 38, pp. 347–51; and R. Liefmann on the *Theorie des Sparens und der Kapitalbildung*, 1912, SchmJb 36, pp. 1565–1642.

HOBSON, J. A. *Incentives in the New Industrial Order*. 1922. pp. 160.

"The new order emerging in this country is neither state socialism, syndicalism, voluntary co-operation nor guild socialism, but a blend of these and other schemes." The chief object of the book is to discover how far the profit motive could be displaced by better motives in this new order. One of the best chapters is ch. 2, which classifies economic activities and discusses their incentives.

PARKER, C. H. *Motives in Economic Life*. 1918. AER 8, Supp. pp. 212–38.

This paper is followed by a report of an important discussion by F. A. Fetter, W. C. Mitchell, and others.

ROBERTSON, D. H. *Economic Incentive*. 1921. Ec 1, pp. 231–45.

An examination of some inadequacies in the crude "Law of Supply" leads to an interesting study of incentives.

SLICHTER, S. H. *The Organization and Control of Economic Activity*, in Tugwell's *The Trend of Economics*, 1924. pp. 303–55.

Contains a survey of the wastes, conflicts, and other failures, inherent in "Free Capitalistic Enterprise" and a plea for the building up of a general theory of economic control. See a similar treatment of the same theme by the same writer in *Industrial Morale*, 1920, QJE 35, pp. 36–50. See also other essays in Tugwell's book.

RISK

Although opinions differ as to whether risk-bearing should be reckoned a "factor of production" and whether the "reward" of risk-bearing should be identified with profits, most SYSTEMATIC TREATISES deal with the subject of risk in one connection or another. The following writings deal either with one of the above problems, or with the problem of reducing risk. The "reward" problem is also discussed in many writings on PROFITS.

CLARK, J. B. *Insurance and Business Profit*. 1892. QJE 7, pp. 40-54.

Insists on the value of devices of organization for reducing risks of initiation. See also the articles under PROFITS, and note in this section under HAWLEY.

DOBB, M. H. *The Entrepreneur Myth*. 1924. Ec 4, pp. 66-81.

"The implied association of the capitalist undertaker with the entrepreneur function is a source of considerable error. The system of capitalist undertaking is one way of fulfilling this function and it fulfils it with moderate inefficiency." See also *Capitalist Enterprise and Social Progress*, 1925, pp. x + 409, noted under PROFITS.

HARDY, C. O. *Risk and Risk-Bearing*. 1923. pp. xix + 400.

Deals with the extent and forms of risk, with methods of dealing with risk, and with the social aspects of risk-bearing. This is the most complete work on the subject.

HAWLEY, F. B. *Enterprise and the Productive Process*. 1907. pp. xiv + 467.

Defines economics as the science of industrial income, and pays special attention to enterprise as an element in the economic life. Reference should also be made to a discussion on risk, the chief contributions to which were those by Hawley in QJE 6, p. 280, 7, p. 459, 15, p. 603, and 16, p. 233; by CLARK in QJE 7, p. 40; by Carver in QJE 8, p. 40, and 15, p. 456; and by HAYNES in QJE 9, p. 409. See also the report of the discussion at the Am. Econ. Assn. Annual Meeting in AER 12 Supp., pp. 103-18. Further notes may be found in section on PROFITS.

HAYNES, J. *Risk as an Economic Factor*. 1895. QJE 9, pp. 409-49.

A good analytical and comparative study, with useful footnotes. See also HAWLEY.

HÜLSSE, F. *Versicherung und Wirtschaft*. 1915. Cjb 104, pp. 289-324.

Contains a good discussion concerning the risk-elements in production and the economic theory of insurance.

- KNIGHT, F. H. *Risk, Uncertainty, and Profit*. 1921. pp. xiv + 381.

See note under PROFITS.

- LAVINGTON, F. *An Approach to the Theory of Business Risks*. 1925-6. EJ 35, pp. 186-99, and 36, pp. 192-203.

A general discussion by a specialist in the subject. See also the writer's *Uncertainty in its relation to the Rate of Interest*, 1912, EJ 22, pp. 398-409, and *The Social Interest in Speculation on the Stock Exchange*, 1913, EJ 23, pp. 36-52, which analyse the supply price of capital into payments for Waiting, Uncertainty, and Insecurity.

- PIGOU, A. C. *The Economics of Welfare*. [1920.] 3rd 1929. pp. 769-79.

Appendix I, on "Uncertainty Bearing as a Factor of Production", is a remarkably compressed discussion of risk in all its economic aspects.

- SCHUMPETER, J. *Theorie der wirtschaftlichen Entwicklung*. 1912. pp. xiv + 369.

Works out a suggestive theory of economic development and its relation to profits, capital, credit, interest, and the business-cycle, paying special attention to the entrepreneur function. See also the writer's article in HdS, 4th Edn., 1928, on *Unternehmer*, which deals excellently with entrepreneur theory, and is supplemented by a good bibliography, chiefly of German works.

- WILLETT, A. H. *The Economic Theory of Risk and Insurance*. 1902. Faculty of Political Science, Columbia University, Studies, Vol. 14, No. 2, pp. 283-424.

A purely theoretical discussion of the nature and effects of risk and of the ways of meeting it.

DIVISION OF LABOUR

The best work on the general theory of Division of Labour is to be found in the systematic treatises' successive modifications of Adam Smith's famous treatment of the subject, although reference may also be made to the following:—

- CARVER, T. N. *The Occupational Distribution of Labour Supply*. 1911. AER 1 Supp., pp. 204-6.

A series of propositions submitted to the Am. Econ. Assn. for discussion, containing much food for thought in a little space.

- PANTALEONI, M. *An Attempt to Analyse the Concepts of "Strong" and "Weak" in their Economic Connection*. 1898. EJ 8, pp. 184-205.

Classifies the settlements upon which social equilibria depend

into predatorial, parasitical, and mutualistic, and examines the basis of mutualistic settlements.

ROSS, E. A. *The Location of Industries*. 1896. QJE 10, pp. 247-68.

A study of the factors affecting territorial division of labour.

INTERNATIONAL TRADE

Special attention has been devoted to this one branch of the Theory of Division of Labour, perhaps because economists have often been interested in it from a fiscal or political point of view. The general texts usually treat the subject inadequately.

AUSPITZ, R. and R. LIEBEN. *Untersuchungen über die Theorie des Preises*. 1889. pp. xxxi + 555.

Pt. VI contains an excellent treatment of some aspects of international trade. Curves are employed to elucidate the problems connected with import and export taxes, and duties.

ANGELL, J. W. *The Theory of International Prices*. 1926. pp. xiv + 571.

Pt. I deals with the history of English thought, Pt. II with that of Continental thought, and Part III gives "A Restatement of Theory".

ASHLEY, W. J. *The Tariff Problem*. [1903]. 3rd 1911. pp. xxxiv + 269.

Advocates the creation of a system of Imperial interdependence.

BASTABLE, C. F. *The Theory of International Trade*. [1887.] 4th 1903. pp. xvi + 197.

"An attempt to re-state, in a more complete form, the doctrines of the classical English School." Discusses the theory of international values, foreign exchanges, etc., and the question of protection, the author himself holding Free Trade doctrines. Appendices deal with International Trade Theory, and disputed points. For an examination of Ricardo's theory see the author *On Some Applications of the Theory of International Trade*, 1889, QJE 4, pp. 1-17. For a reply to some points raised by LORIA, see *Some Disputed Points in the Theory of International Trade*, 1901, EJ 11, pp. 226-9. For criticisms, see EDGEWORTH.

COMMONS, J. R. *Protection and Natural Monopolies*. 1892. QJE 6, pp. 479-84.

An extension of the argument put forward by Patten in his *Economic Basis of Protection* that the advantages of Free

Trade go to the owners of natural monopolies, claiming that the benefits of protection also go to this class of people.

- EDGEWORTH, F. Y. *The Theory of International Values*. 1894. EJ 4, pp. 35-50, 424-43, and 606-38.

The first article expounds a theory which is dealt with geometrically and algebraically in the second. The third article contains detailed criticisms of the theories of AUSPITZ and LIEBEN, BASTABLE, Cairnes, Cournot, Hagen, Mangoldt, Mill, and SIDGWICK. See also *On a Point in the Theory of International Trade*, 1899, EJ 9, pp. 125-8, and *Disputed Points in the Theory of International Trade*, 1901, EJ 11, pp. 582-95. See, in connection with this last article, LORIA.

- GRAHAM, F. D. *The Theory of International Values Re-examined*. 1923. QJE 38, pp. 54-86.

Objects to over-abstraction in Mill's exposition of the theory of international trade, and attempts to show that rectification of this leads to important modifications in the conclusions attached to that theory.

- HELD, A. *Schutzzoll und Freihandel*. 1879. SchmJb 3, pp. 437-86.

This long study is in three portions, of which the second is the most important. Pt. I, General; Pt. II, Sundry popular arguments on both sides; Pt. III, Conclusions.

- KEYNES, JOHN MAYNARD. *A Revision of the Treaty*. 1922. pp. viii + 223.

Contains a good discussion of the economics of reparations.

- LORIA, A. *Notes on the Theory of International Trade*. 1901. EJ 11, pp. 85-9.

A consideration of the case when a given commodity can be produced simultaneously in two exchanging countries. See also BASTABLE and EDGEWORTH.

- MARSHALL, A. *Money, Credit, and Commerce*. 1923. pp. 98-223.

Bk. III deals with characteristics of international trade, the influence of transport, the balance of trade, foreign exchange, and import and export duties.

- MASON, E. S. *The Doctrine of Comparative Cost*. 1926. QJE 41, pp. 63-93.

Intended to point out that a discrepancy exists between the treatment of value in general theory and in the theory of international trade. Suggests possible reforms.

- PIGOU, A. C. *Protective and Preferential Import Duties*. 1906. pp. xiv + 117.

A detailed study of the general economic effects of moderate protective duties and of preferential tariffs, with reference to both wealth and welfare.

SIDGWICK, H. *The Principles of Political Economy*. 1888. pp. 401-591.

See Bk. III, "On the Art of Political Economy," *passim*. Ch. 5 considers the practical objections to Protection, which is regarded as theoretically defensible in certain circumstances.

TAUSSIG, F. W. *Wages and Prices in Relation to International Trade*. 1906. QJE 20, pp. 497-522.

Insists that "attention should be paid more to the range of money incomes, and less to the range of prices". See also *Schmoller on Protection and Free Trade*, 1905, QJE 19, pp. 501-11, by the same writer, for a criticism of Schmoller's views on compromise in foreign-trade policy; *How to Promote Foreign Trade*, 1917, QJE 32, pp. 417-45, which discusses direct and indirect bounties, dumping, reciprocity agreements, etc., and *International Trade under Depreciated Paper*, 1917, QJE 31, pp. 380-99, which argues that "the same fundamental consequences ensue under paper money as under specie, but with some startling differences". See also the replies to this last article by K. Wicksell (*International Freights and Prices*, 1918, QJE 32, pp. 404-10) and J. H. Hollander (*International Trade under Depreciated Paper*, 1918, QJE 32, pp. 674-90) and the author's replies (*International Freights and Prices*, 1918, QJE 32, pp. 410-14, and *International Trade under Depreciated Paper*, 1918, QJE 32, pp. 690-4).

WALKER, F. A. *Protection and Protectionists*. 1890. QJE 4, pp. 245-75.

Setting forward favourably the Free Trade point of view, but advising caution in disturbing the *status quo*, whatever it may be.

WALRAS, L. *Théorie du libre échange*. 1897. REP 11, pp. 649-64.

An abstract discussion of the nature and problems of Free Trade.

VARIATION OF PRODUCTIVITY

The Corn-Law controversy bequeathed the concept of Diminishing Returns in Agriculture to English economic theory, and this white elephant roamed unchallenged about the pages of most nineteenth-century text-books, usually accompanied by its near relation, Increasing Returns in Manufacture. The first attack upon the pair, by J. R. Commons in his *Distribution of Wealth*, 1893, was unsuccessful, but it was followed by a really important article in QJE by BULLOCK, which, despite the defences of FLUX, TAUSSIG, and others, succeeded in establishing to the satisfaction of most theorists the claim that a general law of Productive Variation should be recognized. Complete generalization was achieved later, chiefly with the help of CARVER

and CLARK. An article by WATKINS in 1915 suggested a further extension. The general law has, however, been recently criticized in Germany.

The best historical account of the theory of Diminishing Returns is to be found in E. CANNAN's *History of the Theories of Production and Distribution* [1893], 3rd 1917, pp. xv + 422. There is no good account of the history of its generalization.

BULLOCK, C. J. *The Variation of Productive Forces*. 1902. QJE 16, pp. 467-513.

Suggests that the laws of diminishing returns, economy in organization, varying costs, and increasing or decreasing costs, should be regarded as particular manifestations of a general Law of Variation of Productive Forces. This article is of the greatest importance, for its own sake, for the footnote references attached to it, and for the controversy it provoked. See further *The Variation of Productive Forces: A Rejoinder*, 1904, QJE 18, pp. 437-9. See also CARVER, DAVENPORT, FLUX, and TAUSSIG; and for criticism of a minor point, C. W. Mixter on *The Variation of Productive Forces: A Rejoinder*, QJE 17, pp. 332-4.

CANNAN, E. *Wealth*. [1914.] 3rd 1928. pp. 40-62

In ch. 3, the law of diminishing returns is expressed so as to be universally true, and made an integral part of the author's theory of population.

CARVER, T. N. *The Universal Law of Diminishing Returns: Another Comment*. 1903. QJE 17, pp. 335-6.

An important note, recommending the extension of BULLOCK's formula to make it completely general. For a more complete statement of the writer's views, see *The Distribution of Wealth*, 1904, pp. vii + 290, chapter 2.

CHAPMAN, S. J. *Laws of Increasing and Decreasing Returns in Production and Consumption*. 1908. EJ 18, pp. 52-9.

Considers the working of the "formal laws" of increasing and decreasing return in "systems" of production and consumption of various "orders".

CLAPHAM, J. H. *Of Empty Economic Boxes*. 1922. EJ 32, pp. 305-14.

See notes in section on SCOPE AND METHOD.

CLARK, JOHN BATES. *A Universal Law of Economic Variation*. 1894. QJE 8, pp. 261-79.

"One law governs economic life, and theories old and new contain partial expressions of it. . . . On one grand law of variation depend the value of goods, the rate of interest, and the rate of wages . . . , the amount of pure profits, and the incentive to social improvement."

COMMONS, J. R. *The Distribution of Wealth*. 1893. pp. viii + 258.

See especially chs. 3, "Diminishing Returns and Rent," and 4, "Diminishing Returns and Distribution." The book distinguishes between four points of view from which the economist may regard the laws of increasing and diminishing returns, and accounts for the common confusion concerning the nature of agricultural and manufacturing returns. A short note on books is appended.

DAVENPORT, H. J. *Proportions of Factors : Advantage and Size*. 1909. QJE 23, pp. 593-617.

A further analysis of the meaning of "Increasing" and "Diminishing" Returns, for which terms the substitutes "Advantage and Size" and "Proportions of Factors" are suggested.

DIEHL, K. *Gibt es ein allgemeines Ertragsgesetz für alle Gebiete des Wirtschaftslebens?* 1923. CJB 120, pp. 1-32.

Criticizes the concept of a universal law of variation of productive forces with special reference to CLARK and Schumpeter, arguing that the problem has not yet been sufficiently analysed. See the reply by R. Stücken in CJB 123, pp. 636-52.

EDGEWORTH, F. Y. *Contributions to the Theory of Railway Rates*. 1911-13. EJ 21, pp. 345-70 and 551-71, 22, pp. 198-218, and 23, pp. 206-26.

See note under DIFFERENTIAL PRICES.

ESSLEN, J. *Das Gesetz des Abnehmenden Bodenertrages im landwirtschaftlichen Betriebe*. 1910-11. ASS 30, pp. 333-80 and 721-47, and 32, pp. 378-432.

A closely reasoned argument with a statistical basis, relating to the law of diminishing returns in agriculture.

FLUX, A. W. *The Variation of Productive Forces : Further Comment*. 1904. QJE 18, pp. 280-6.

In the opinion of the writer it would be a misfortune if the distinctions between some of the terms mentioned in BULLOCK's article were lost sight of.

KNIGHT, F. H. *Some Fallacies in the Interpretation of Social Cost*. 1924. QJE 38, pp. 582-606.

A criticism of views advanced by PIGOU in his *Economics of Welfare*, 1920, and by Graham in QJE 38, on the concept of decreasing cost. See also notes on the similar controversy between PIGOU and ROBERTSON in EJ in the same year.

PIGOU, A. C. *The Laws of Diminishing and Increasing Cost*. 1927. EJ 37, pp. 188-97.

Deals with Sraffa's contention (in EJ 36, pp. 535-50), that production under conditions of decreasing cost is unlikely

in competitive industry. See also the *Economics of Welfare* [1920], 3rd 1929, Pt. II, ch. 11, comparing the editions, and *Those Empty Boxes*, 1924, EJ 34, pp. 30-1, and *Empty Economic Boxes : A Reply*, 1922, EJ 32, pp. 458-65.

ROBERTSON, D. H. *Those Empty Boxes*. 1924. EJ 34, pp. 16-30, 31. See also CLAPHAM and PIGOU, and note under Robertson and these two in section on SCOPE and METHOD.

TAUSSIG, F. W. *Capital, Interest, and Diminishing Returns*. 1908. QJE 22, pp. 333-63.

The writer is sceptical concerning the success of the attempts to formulate a universal law of diminishing returns. See also BULLOCK.

WATKINS, G. P. *A Third Factor in the Variation of Productivity : The Load Factor*. 1915. AER 5, pp. 755-86.

An examination of the extent to which the electrical-engineering concept of the "load" factor sheds light on the theory of productive variation, two familiar portions of which already deal with the "proportionality" factor (decreasing returns) and the "density" factor (increasing returns, large scale economies, etc.).

POPULATION

Much that has been written on population in recent years will be of little interest to the ordinary student of economics. The American periodicals, for instance, have almost entirely restricted themselves to discussions of the biological and ethnological aspects of population-problems, and especially of the problems related to migration. This has brought to light a large quantity of useful statistical and other data, but very little in the way of general economic theory. In this connection, the writings of Professor R. Pearl are of chief importance. Other typical writings are C. C. Closson's *Dissociation by Displacement*, 1896, QJE 10, pp. 156-86 ; J. Cummings's *Ethnic Factors and the Movement of Population*, 1900, QJE 14, pp. 171-211 ; A. B. Wolfe's *Is there a Biological Law of Human Population Growth ?*, 1927, QJE 41, pp. 557-94 ; and reports of discussions of the Am. Econ. Assn., in AER 2 Supp., 1912 ; AER 3 Supp., 1913 ; and elsewhere. Again, most German essays on population seem to develop into biographical sketches, laudatory or condemnatory, of Malthus.

In general, the systematic treatises discuss population inadequately. The chief exceptions are noted below. Reference should be made to the writings on THE LAWS OF RETURN for valuable investigations of the relation between population and land.

For a short historical sketch of population-theory, see René Gonnard's *Histoire des Doctrines de la Population*, 1923, pp. 350.

BERTHEAU, C. *Essai sur les Loix de la Population*. 1892. pp. viii + 480.

A detailed, but rather superficial, examination of the influences on the growth of population.

BEVERIDGE, W. *Population and Unemployment*. 1923. EJ 33, pp. 447-75.

A denial that the existence of over-population is proved either by the existence of unemployment or by Cambridge economic science. For a statistical continuation of the controversy, see Mr. Keynes' *Evidence for Over-population*, 1924, Ec 4, pp. 1-20, and *The Fall of Fertility Among European Races*, 1925, Ec 5, pp. 10-27. See also KEYNES, ROBERTSON, and YULE.

BRENTANO, L. *The Doctrine of Malthus and the Increase of Population during the last Decades*. 1910. EJ 20, pp. 371-93.

An examination of Malthus's theory in the light of recent facts, concluding that there is "no occasion for the panic of over-population which Malthus called into existence". For an opposite view, see KEYNES, ROBERTSON, and EAST.

CANNAN, E. *Wealth*. [1914.] 3rd 1928. pp. xxvii + 292.

Ch. 4 gives a concise statement of Cannan's "optimum theory". For subsequent re-statements and amplifications, see CARR-SAUNDERS, DALTON, and ROBBINS. See also a statistical study of CANNAN on *The Probability of a Cessation of the Growth of Population in England and Wales during the Next Century*, 1895, EJ 5, pp. 505-15.

CARR-SAUNDERS, A. M. *The Population Problem*. 1922. pp. 516.

"... an attempt to trace back to their origin the main problems which now attract attention and to indicate their relation one to the other—to view the whole problem in fact from an historical and evolutionary standpoint." Contains a long list of authorities. For a more elementary statement of the author's views, see his *Population*, 1925, p. 112, which contains a good short bibliography.

COX, H. *The Problem of Population*. 1922. pp. 198.

This book deals with problems of population from the statistical, economic, military, social, racial, and moral aspects. A short, but useful, list of references is appended.

DALTON, H. *The Theory of Population*. 1928. Ec 8, pp. 28-50.

Designed to begin to fill some of the gaps in population theory. Deals with definitions and objective tests of over-population, and with practical measures for securing closer approximation to the optimum population.

DARWIN, L. *Population and Civilisation*. 1921. EJ 31, pp. 187-95.

Discusses the effect of an increase of population on the standard of civilisation.

- DUBLIN, L. I. (*Editor*). *Population Problems in the United States and Canada*. 1926. pp. xi + 318.

A series of papers read to the American Statistical Association by Professors REUTER, Wolfe, Fairchild, Douglas, and others, dealing with population and natural resources, immigration, labour supply, the effect of health movements, of family allowances, etc.

- EAST, E. M. *Mankind at the Cross Roads*. 1923. pp. viii + 360.

"The facts of population growth and the facts of agricultural economics pointed severally to the definite conclusion that the world confronts the fulfilment of the Malthusian prediction here and now. Man stands to-day at the parting of the ways, with the choice of controlling his own destiny or of being tossed about until the end of time by the blind forces of the environment in which he finds himself." The book attempts to prove this thesis, stressing the physiological and agricultural aspects.

- ELSTER, L. *Bevölkerungslehre und Bevölkerungspolitik. Das Bevölkerungsproblem*. 1924. HdS, 4th ed. Vol. 2, pp. 735-825.

The first article is an excellent historical sketch, with a good bibliography. The second is the theoretical complement to the first.

- FETTER, F. A. *Versuch einer Bevölkerungslehre*. 1894. pp. 97.

The search proceeds from a criticism of Malthus.

- KEYNES, JOHN MAYNARD. *The Economic Consequences of the Peace*. 1919. pp. 7-23.

Finds the cause of many modern troubles in the overpopulation of Europe, and attempts to destroy some illusions by loosing the Malthusian "Devil" again. See also *Is Britain Overpopulated?*, 1923, New Republic, 36, pp. 247-8, for a short but important criticism of BEVERIDGE's address on *Population and Unemployment*, and *A Reply to Sir William Beveridge*, 1923, EJ 33, pp. 476-86. See also BEVERIDGE and ROBERTSON.

- KRAFFT, L. *Bevölkerungsprobleme*. 1917. pp. 109.

A discussion of the concepts of over- and under-population.

- LA LOGGIA, E. *Teoria della Popolazione*. 1893. GE 7, pp. 391-416 and 488-520.

A search for a dynamic theory of population.

- LEROY-BEAULIEU, P. *La Question de la Population*. 1913. pp. iv + 512.

Discusses Malthus's theory, the influence of civilization on the growth of population, Neo-Malthusianism, the special

position of France, and emigration, with special emphasis throughout on the undesirability of a stationary population.

LORIA, A. *Corso di Economia Politica*. [1909.] 2nd 1919. pp. 651-720.

Bk. V "Population", deals with theory, historically and positively, tracing the relation between population and unemployment, emigration, colonization, and imperialism.

MOMBERT, P. *Bevölkerungslehre, in Grundriss der Sozialökonomik*: II. 1914. pp. 32-96.

Deals chiefly with the causes of changes in numbers and changes in quality. Contains good bibliographies.

PIGOU, A. C. *The Economics of Welfare*. [1920.] 3rd 1929. pp. 100-24.

Discusses the relation between the national dividend and the quality and quantity of the people. See also *Social Improvement in the Light of Modern Biology*, 1907, EJ 17, pp. 358-69, for a discussion of the effect of environment and heredity on the quality of population, and tentative suggestions concerning government action.

NICHOLSON, J. S. *Principles of Political Economy*: I. [1893.] 2nd 1902. pp. 174-96.

Gives a modernized version of the Malthusian theory.

PATTEN, S. N. *The Law of Population Re-stated*. 1895. PSQ 10, pp. 44-61.

Chiefly a study in checks, intended to clarify and separate the various doctrines said to be implied in "Malthusianism".

REUTER, E. B. *Population Problems*. 1923. pp. xvii + 338.

Similar in outline to the book by WRIGHT, but fuller and more satisfactory. Contains one of the best available statements of the problem of quality. As usual, there is no discussion of the effects of changes in numbers or quality.

ROBBINS, L. *The Optimum Theory of Population*, in Gregory and DALTON's *London Essays in Economics*. 1927. pp. 103-34. A summary of CANNAN's "Optimum Theory" and further exploration of some of its implications.

ROBERTSON, D. H. *A Word for the Devil*. 1923. Ec 3, pp. 203-8.

A justification of the Cambridge emphasis on the possibilities of over-population.

SMISSEN, E. VAN DER. *La Population*. 1893. pp. 561.

Bk. I, Historical Summary of the Changes in Population. Bk. II, Malthus's Theory. Bk. III, Population in the Nineteenth Century—a discussion of the effects of economic, social, and legislative influences.

- UNITED KINGDOM: The National Birth-Rate Commission. *The Declining Birth-Rate*. 1916. pp. xiv + 450. *Problems of Population and Parenthood*. 1920. pp. xxix + 423.

The two reports, with minutes of evidence, of the Commission set up by the National Council of Public Morals 1913, to inquire into the causes of the falling birth-rate. Members and witnesses were chosen rather as social workers than as economists.

- WICKSELL, K. *Vorlesungen über Nationalökonomie auf Grundlage des Marginalprinzipes*. 1913. pp. 114-58.

Discusses the problems of determining and achieving the optimum.

- WRIGHT, H. *Population*. 1923. pp. xiv + 178.

Chs. 1-3, Historical. Chs. 4 and 5, Food, Raw Materials, Coal and Iron. Ch. 6, Theory of Population Growth. Ch. 7, International Problems. Ch. 8, Quality of Population. Ch. 9, Summary and Conclusion. "There are two ways in which mankind can meet the situation which threatens to arise. One is by increasing the productivity of labour; the other by restricting the birth-rate. Both measures appear to be necessary." Stresses the need for international co-operation.

- WOLF, J. *Une nouvelle loi de la population*. 1902. REP 16, pp. 499-514.

Divides criticisms of Malthus into three groups and claims to have originated a fourth type, emphasizing the advance of civilization as a factor in the problem. See reply by Oppenheimer in REP 17, pp. 333-55.

- YULE, G. U. *The Growth of Population and the Factors which Control it*. 1925. JRSS 88 New Series, pp. 1-58.

This presidential address to the Royal Statistical Society gives the statistician's approach to the subject. It was followed by a discussion, joined in by Edgeworth and others (pp. 58-62). A month later, T. H. C. Stevenson read a paper on *The Laws Governing Population* (pp. 63-76), and the discussion which followed was joined in by BEVERIDGE, Bowley, and Yule (pp. 76-90).

THE CONCEPT OF VALUE

The problem of value has long been recognized as one of the most important problems with which economics has to deal. Many theorists regard it as the central problem. Consequently, it occupies a large proportion of space in all good SYSTEMATIC TREATISES, to which reference should be made.

"The problem of value" really consists of two problems—that of the nature of value, and that of its determination. These problems are theoretically quite distinct, although in the actual preparation of books on the subject it has usually been found that discussion of one problem involves some assumptions regarding the answer to the other. The following writings deal principally with the *concept* of value, and should be read in conjunction with SYSTEMATIC TREATISES and writings on THE DETERMINATION OF VALUE and FUNCTIONAL DISTRIBUTION.

A historical account of value theories is given in C. and C.-H. Turgeon's book on *La Valeur d'après les économistes anglais et français depuis Adam Smith et les Physiocrates jusqu'à nos jours*, [1913], 3rd 1925, pp. 472.

BÖHM-BAWERK, E. von. *Wert*. 1928. HdS, 4th Edn. 8, pp. 988-1007. With appendix by F. X. Weiss, pp. 1007-17.

This excellent article provides a very complete survey of the subject, together with a useful history of theories. Reference should also be made to the author's *Positive Theorie des Kapitals*, 3rd 1909-12, especially Bk. III, pp. 211-425, and to the writings listed under his name in the section on THE DETERMINATION OF VALUE.

CARVER, T. N. *The Place of the Theory of Value in Economics*. 1902. QJE 17. pp. 185-7.

This note argues that, since the subject-matter of economics is economic activities, the sub-divisions of the subject should be based on a classification of economic activities, and that one of the principal sorts of economic activity consists in the valuation of things. An outlined sub-division of the subject of Valuation is given. See also *The Concept of an Economic Quantity*, I, 1907, QJE 21, pp. 427-32.

CASSEL, G. *Fundamental Thoughts in Economics*. 1925. pp. 159.

In these lectures the author gives his reasons for believing the theory of price to be more fundamental than the theory of value. See also note under THE DETERMINATION OF VALUE.

- CLARK, JOHN BATES. *The Ultimate Standard of Value*. 1892. YR. 1, pp. 258-74.

Declares that the value of a thing is the measure of the effective service that it renders to society as a whole.

- CLARK, JOHN MAURICE. *The Concept of Value*. 1915. QJE 29 pp. 663-73.

An attempt to shed light from some new angles on the problem of the nature of value. B. M. Anderson contributed to the discussion an interesting paper on *The Concept of Value Further Considered*, 1915, QJE 29, pp. 674-708, and Clark published a *Rejoinder*, 1915, QJE 29, pp. 709-23. The controversy provoked a plea for "a single and clear-cut definition" of value from H. Bilgram in his article on *The Equivalent Concept of Value*, 1915, QJE 30, pp. 194-200. See also under DETERMINATION OF VALUE.

- FETTER, F. A. *The Definition of Price*. 1912. AER 2, pp. 783-813.

This article contains an exhaustive classification of 117 definitions of price, and a historical survey which aims at the discovery of trends of thought in price-theory. It forms one of the best bibliographies of the subject. H. J. Davenport argued a confusion of thought in Fetter's own concepts of value and price in his article on *Fetter's "Economic Principles"*, 1916, JPE 24, pp. 313-62. Fetter replied to this attack in *An Appeal to "The Sober Reader"*, 1916, JPE 24, pp. 596-605. The controversy is a remarkable expression of personal animosities, such as happily is not commonly met with in responsible journals.

- FISHER, I. *Mathematical Investigations in the Theory of Value and Prices*. 1892, reprinted 1926. pp. 126.

A good statement of the author's views on the relation between psychology and economics and the position of the value problem is to be found in the preface to the reprint. See also under DETERMINATION OF VALUE. A useful diagrammatic analysis of some problems of prices raised by Fisher in this work may be found in E. Barone's article entitled *A Proposito delle Indagini del Fisher*, 1894, GE 8, pp. 413-39.

- FRIDAY, D. *An Extension of Value Theory*. 1922. QJE 36, pp. 197-219.

Discusses what are the proper tasks of a theory of value and examines the relations between values and prices, paying special attention to values which are not prices.

- HAMILTON, W. H. *The Place of Value Theory in Economics*. 1918. JPE 26, pp. 217-45 and 375-407.

A comparative study in the content of value theory and the scope of economics. Reference should also be made to an earlier article by FETTER.

HOBHOUSE, L. T. *Competitive and Social Value*. 1924. Ec 4, pp: 278-90.

Indicates discrepancies between competitive and social values, and questions the validity of some "marginalist" conclusions.

JEVONS, W. S. *The Theory of Political Economy*. [1871.] 4th 1911. pp. lxiv + 339.

Abandons the use of the ambiguous term "value", and discusses the "ratio of exchange", which depends on relative final degrees of utility. For a similar treatment, arrived at independently and almost simultaneously, see Menger, and Walras in the section on THE DETERMINATION OF VALUE.

MARSHALL, A. *Principles of Economics*. [1890.] 8th 1920. pp. xxxiv + 871.

Bks. III and V are the most important in this connection, but important statements are scattered throughout the book, especially in the footnotes. Marshall combined practically all the elements stressed by previous great theorists into one complex "equilibrium" theory of the nature and determination of value. See also under DETERMINATION OF VALUE.

MENGER, C. *Grundsätze der Volkswirtschaftslehre*. [1871.] 2nd 1923. pp. xxvi + 335.

Sets forth the views of one of the pioneers of the use of psychological concepts to explain the nature and determinations of value. See note under JEVONS.

PERSONS, C. E. *Marginal Utility and Marginal Disutility as Ultimate Standards of Value*. 1913. QJE 27, pp. 547-78.

Argues that it is impossible to find a positive measure of value in a society in which wealth is divided unequally.

SCHACK, H. *Zur Kritik der Preistheorie*. 1927. Cjb 127, pp. 32-51.

Criticizes the preoccupation of price theory with the problem of relative prices and its neglect of the problem of "absolute prices".

SIDGWICK, H. *The Principles of Political Economy*. [1883.] 3rd 1901. pp. xxiv + 592.

Bk. II deals keenly and clearly with the exchange value of material commodities, international values, the value of money, the values of productive services, monopoly, and competition.

SMART, W. *An Introduction to the Theory of Value*. [1891.] 3rd 1914. pp. xii + 104.

"This book has few pretensions to originality. The theory is that enunciated by Menger and Jevons, and worked out

by Wieser and BÖHM-BAWERK." It would be hard to imagine a clearer exposition of the doctrines of the Austrian School, of which Smart was a great admirer. See also his introductions to BÖHM-BAWERK'S *Capital and Interest*, 1890, and *The Positive Theory of Capital*, 1891, and Wieser's *Natural Value*, 1893.

WAGNER, A. *Grundlegung der politischen Ökonomie*. [1876.] 3rd 1892-4. 2 half-vols.

§§ 134-43 of the first half-volume contain a very complete analysis of the ideas conveyed by the term "value". A bibliography is appended.

WICKSELL, K. *Über Wert, Kapital und Rente nach den neueren nationalökonomischen Theorien*. 1893. pp. xvi + 143.

Pt. I: "Die neue Theorie des Wertes"—a discussion of the concept of value according to JEVONS, Walras, and the Austrian School. Pt. II: "Die neue Theorie des Kapitals nebst ihren Beziehungen zur Theorie des Arbeitslohns, der Bodenrente und der Güterwerte"—with special reference to BÖHM-BAWERK.

YOUNG, A. A. *Some Limitations of the Value Concept*. 1911. QJE 25, pp. 409-28.

This article, reprinted in *Economic Problems New and Old*, 1927, contains an important discussion of the relations between value and price.

THE DETERMINATION OF VALUE

Very few discussions of economic principles and problems do not involve some assumptions with regard to the determination of value. The following writings represent widely divergent methods and conclusions, and should be read in conjunction with SYSTEMATIC TREATISES and writings on THE CONCEPT OF VALUE and FUNCTIONAL DISTRIBUTION. See also note under CONCEPT OF VALUE.

A good comparative and historical survey of earlier theory is contained in R. ZUCKERKANDL'S *Zur Theorie des Preises*, 1889, pp. x + 384.

AUSPITZ, R. and R. LIEBEN. *Untersuchungen über die Theorie des Preises*. 1889. pp. xxxi + 555.

This imposing volume is recognized as perhaps the most important Austrian work on the subject. Its careful and exhaustive exploration of price-theory is a model of its kind. The treatment is mathematical, and many elaborate diagrams are employed. The contents are: I. "Die Kurven der Herstellungskosten und der Nutzlichkeit, des Angebotes und der Nachfrage"; II, "Die Formelemente der Kurven"; III, "Das konsumierende Individuum"; IV, "Das produzierende Individuum"; V, "Das Vorrath haltende

Individuum"; VI, "Der Einfluss des Einzelnen auf den Preis"; For a critical article by Auspitz, see under BÖHM-BAWERK. See also PARETO.

BARONE, E. *Principi di Economia Politica*. [1908.] 5th 1920. pp. vi + 269.

Pt. I. is devoted to a discussion of economic equilibrium, which forms a useful introduction to the method of dealing with value problems by means of curves of supply and demand.

BERARDI, D. *La Legge del Valore secondo la Dottrina della Utilità Limite*. 1895. GE 11, pp. 267-314 and 367-99.

The writer surveys the theory of value and price in general, and of the value and price of productive goods, with special reference to the Austrian School, concluding that the Austrian explanation is inadequate in so far as it is novel, but admitting the importance of its work in directing attention to the psychic side of economics in general.

BÖHM-BAWERK, E. VON. *Grundzüge der Theorie des wirtschaftlichen Güterwerts*. 1886. CJB 46, pp. 1-82 and 477-541.

Pt. I deals with the nature and determination of subjective value, and Pt. II with the determination of objective exchange value. See also in the important article on *Der letzte Maassstab des Güterwertes*, 1894, ZV 3, pp. 182-230 and 512-18, for a discussion of the importance of the concepts of cost and utility in the search for the final standard of value, the conclusion being that the final standard of value is to be found in welfare, although a concrete measure can only be obtained in terms of utility and sacrifice. Some of the writer's statements are submitted to valuable criticism in the article by R. AUSPITZ on *Der letzte Maassstab des Güterwertes und die mathematische Methode*, 1894, ZV 3, pp. 489-511. A translation of Böhm-Bawerk's article appeared as *The Ultimate Standard of Value*, 1894, AAA 5, pp. 149-208. *Wert, Kosten und Grenznutzen*, 1892, CJB 58, pp. 321-67, is an important polemic on cost and marginal utility theories, provoked chiefly by an article by DIETZEL. For a good criticism of the theory of value as expounded in the *Positive Theorie des Kapitals* (see under CONCEPT OF VALUE), see S. M. MACVANE on *Böhm-Bawerk on Value and Wages*, 1890, QJE 5, pp. 24-43. Reference may also be made to two further articles by Macvane on *Marginal Utility and Value*, 1893, QJE 7, pp. 255-85, and *The Austrian Theory of Value*, 1893, AAA 4, pp. 348-77. R. STOLZMANN criticized the subjective theory of value in *Die Kritik des Subjektivismus an der Hand der socialorganischen Methode*, 1914, CJB 103, pp. 145-92.

BOWLEY, A. L. *The Theoretical Effects of Rationing on Prices*. 1920. EJ 30, pp. 340-47.

A mathematical analysis of an important subject which excited attention during the latter stages of the World War. The matter has a bearing on the interesting problem of DIFFERENTIAL PRICES. Other important writings on the subject are A. C. PIGOU's *Government Control in War and Peace*, 1918, EJ 28, pp. 363-73, and the report of C. W. WRIGHT's paper on *The Economics of Governmental Price Regulation*, and the discussion which followed, 1913, AER 3 Supp., pp. 126-42.

CASSEL, G. *Theoretische Sozialökonomie*. [1918.] 3rd 1923. 2 vols.

The first book contains a discussion of the pricing process considered as an instrument for limiting wants and encouraging production. For a briefer account, reference may be made to the author's *Fundamental Thoughts in Economics*, 1925, pp. 159. See also under THE CONCEPT OF VALUE.

CLARK, JOHN MAURICE. *A Contribution to the Theory of Competitive Price*. 1914. QJE 28, pp. 747-71.

"We are too easily content with treating inconvenient facts as exceptions to static law. . . . Under dynamic (or actual) conditions, competitive price need not normally tend to equal expense of production, but may differ from it by some fairly definite amount." See also under CONCEPT OF VALUE.

COLSON, C. *Cours d'Economie Politique*. [1901-7.] 3rd 1916-24. 6 vols.

A clear theory of price-determination is given in vol. 1 [1901], 3rd 1916, pp. 547, and *passim*.

CUNYNGHAME, H. *A Geometrical Political Economy*. 1904. pp. 128.

This book consists chiefly of a diagrammatic analysis of value problems, with special reference to the work of MARSHALL. For an earlier attempt to correct and extend MARSHALL'S applications of geometrical methods to problems of value, see *Some Improvements in Simple Geometrical Methods of Treating Exchange Value, Monopoly, and Rent*, 1892, EJ 2, pp. 35-52.

DAVENPORT, H. J. *Value and Distribution*. 1908. pp. xi + 582.

This work contains an admirable—but difficult—outline of cost theories, and aims at developing and systematizing "the entrepreneur point of view" in the computation of costs and in the analysis of the distributive process. *The Economics of Enterprise*, 1913, pp. xvi + 544, develops the author's value theory against a wider background. It makes rather easier reading than *Value and Distribution*, but is by no means an elementary text-book. Two other important

articles, in which the idea of cost is carefully examined, are *Proposed Modifications in Austrian Theory and Terminology*, 1902, QJE 16, pp. 355-84, and *Cost and its Significance*, 1911, AER 1, pp. 724-52. See also under Fetter in the section on THE CONCEPT OF VALUE.

DIETZEL, H. *Die klassische Werttheorie und die Theorie vom Grenznutzen*. 1890. CJB 54, pp. 561-606.

A detailed criticism of the marginal utility theory, and a comparison with the cost of production theory. The article is plentifully supplied with useful footnotes. BÖHM-BAWERK replied to it shortly in *Ein Zwischenwort zur Werttheorie*, 1890, CJB 55, pp. 519-22, and dealt with it at greater length in *Wert, Kosten und Grenznutzen*, 1892, CJB 58, pp. 321-67. Dietzel made some further explanations, relating to the classical theory of the value of production goods, exchange goods, and labour, in his article *Zur klassischen Wert- und Preistheorie*, 1891, CJB 56, pp. 685-707.

EDGEWORTH, F. Y. *Papers Relating to Political Economy*. 1925. 3 vols.

These volumes contain articles and reviews reprinted from the EJ. Sections I and II (in vol. 1) consist of four articles on "Value-and-Distribution" and three on Monopoly. Vol. 3 contains some reviews that bear on the question of value.

ENGLÄNDER, O. *Fragen des Preises*. 1919. SchmJb 43, pp. 933-81 and 1395-1458.

The first part of this essay deals critically and comparatively with the theories of BÖHM-BAWERK, CASSEL, Conrad, Hermann, Lexis, MARSHALL, Menger, OSWALT, SCHUMPETER, Wicksell, WIESER, ZUCKERKANDL, and Zwicdineck. The second part discusses the problem of price-fixation between upper and lower limits, the problem of rationing, etc.

FISHER, I. *Mathematical Investigations in the Theory of Value and Prices*. 1892, reprinted 1926. pp. 126.

This unusually important doctorate thesis contains an elaborate analysis of the process of price-determination, which is illustrated by a description of a complicated hydrostatic model actually employed by the author in his own classes. The reprint is more useful than the original edition, for it contains a preface indicating some of the developments of the author's theories. The author's *Elementary Principles of Economics*, 1912, pp. 258-353, gives his theory of individual prices, involving a suggestive analysis of demand and supply. See also under CONCEPT OF VALUE.

FÖLDES, B. *Glossen zur Theorie der Abhängigkeit der Preise von den Produktionskosten*. 1906. CJB 86, pp. 744-49.

Objects to the universal application of "the law of cost of production", but admits its general importance.

HENDERSON, H. D. *Supply and Demand*. 1922. pp. x + 177.

This is the best of the Cambridge Handbooks, and a satisfactory exposition of one of the present forms of the MARSHALLIAN tradition on Value. Perhaps the most useful chapters are those dealing with joint demand and supply and with real costs.

HOBSON, J. A. *The Element of Monopoly in Prices*. 1891. QJE 6, pp. 1-24.

Argues that, where free competition exists, prices depend on "quantity of common labour", but that where, as is usual, elements of monopoly are present, it is "not the quality of the skill, but the rareness" which affects prices.

JEVONS, W. S. *The Theory of Political Economy*. [1871.] 4th 1911. pp. lxiv + 339.

Jevons was the pioneer in England of the use of subjective explanations of the determination of value. Similar work was being done at the same time by Menger and WALRAS. See also under THE CONCEPT OF VALUE.

KEMMERER, E. W. *The Higgling of the Market*. 1903. QJE 17, pp. 670-7.

An attempt to give a precise meaning to the phrase, which is said to be normally a device for labelling the problem of market value determination without solving it.

KNIGHT, F. H. *Risk, Uncertainty, and Profit*. 1921. pp. xiv + 381.

Since the author regards the problem of profit as "one way of looking at the problem of the contrast between perfect competition and actual competition", he is led to examine both sorts of circumstances, thus incidentally producing a classic on value theory. Reference should also be made to his articles on *The Concept of Normal Price in Value and Distribution*, 1917, QJE 32, pp. 66-100, and *Cost of Production and Price over Long and Short Periods*, 1921, JPE 29, pp. 304-35.

LANDRY, A. *Manuel d'Économique*. 1908. pp. 889.

Ch. 2 of Bk III discusses different concepts of value and gives an equilibrium theory of the determination of value along familiar "marginalist" lines, treating competition and monopoly as essentially different cases.

LIEFMANN, R. *Grundsätze der Volkswirtschaftslehre*. [1917.] 2nd 1920-2. 2 vols.

The book aims "den Mechanismus des heutigen Tauschverkehrs in seinen Grundlagen zu erklären". The most important parts for the student of value theory are vol. 1, chs. 4 and 5, and vol. 2, chs. 6 and 7. This work was ably criticized by C. Landauer in *Wert, Preis und Zurechnung*,

1925, SchmJb 49, pp. 805-33. The author replied to the criticism in *Nutzen und Kosten, Wert und Preis*, 1925, SchmJb 49, pp. 993-1027.

MARSHALL, A. *Principles of Economics*. [1890.] 8th 1920. pp. xxxiv + 871.

See Bks. III and V, and *passim*, for a statement of Marshall's majestic theory of the determination of value. In its exposition some important subsidiary ideas were developed, among which may be mentioned the concepts of Elasticity of Supply and of Demand, Joint and Composite Supply and Demand, Prime and Total Costs, Maximum Net Monopoly Revenue, Consumer's Surplus, and the Representative Firm. The four ideas mentioned first above have been found useful by many theorists and the uses they have made of them may be traced by reference to the sections on DEMAND, SUPPLY, COMPETITION AND MONOPOLY, and DIFFERENTIAL PRICES. The value of the concept of Consumer's Surplus has been frequently challenged, and Cannan's criticism (under DEMAND) denies even its validity. The last-named concept in the above list, has been severely criticized by L. Robbins in *The Representative Firm*, 1928, EJ 38, pp. 387-404. See also under CONCEPT OF VALUE.

MARX, K. *Das Kapital*. [1867.] 4th 1890-4. 3 vols.

See note in section on SYSTEMATIC TREATISES. A good short criticism of Marx's theory of value is contained in H. W. B. Joseph's book on *The Labour Theory of Value in Karl Marx*, 1923, pp. 176.

MOORE, H. L. *A Moving Equilibrium of Demand and Supply*. 1925. QJE 39, pp. 357-71.

A mathematical study of the laws of supply and demand, leading to the concept of a "moving equilibrium".

OSWALT, H. *Vorträge über wirtschaftliche Grundbegriffe*. [1905.] 4th 1922. pp. vi + 169.

This book deals chiefly with the pricing process. Its style is interesting and original. See also under SYSTEMATIC TREATISES.

PANTALEONI, M. *Manuale di Economia Pura*. [1889.] 2nd 1894. pp. 376.

Pt. I deals with the theory of utility; Pt. II with the theory of value, considered under the heads:—i, the nature of value, ii, special cases of monopoly, iii, the law of demand and supply; Pt. III with special applications of the theory. See also under SYSTEMATIC TREATISES.

PARETO, V. *Considerazioni sui Principii Fondamentali dell'Economia Politica Pura*. 1892-3. GE 4, pp. 389-20 and 485-512; 5, pp. 119-57; 6, pp. 1-37; and 7, pp. 279-321.

This unfinished series of articles deals with many questions of economics, but chiefly with value problems. The treatment is mathematical. See also *La Teoria dei Prezzi dei Signori Auspitz e Lieben*, 1892, GE 4, pp. 201-39, for a mathematical analysis of supply and demand curves with special reference to the work of AUSPITZ and LIEBEN and of WALRAS.

PIGOU, A. C. *The Interdependence of Different Sources of Demand and Supply in a Market*. 1913. EJ 23, pp. 19-24.

A mathematical study in some of the more complex problems of price-determination. See also *The Economics of Welfare* [1920], 3rd 1929, xxxi + 835, under SYSTEMATIC TREATISES. For a discussion by Pigou of the effects of government control of prices, see under BOWLEY.

SCHUMPETER, J. *Zur Frage der Grenzproduktivität*. 1927. SchmJb 51, pp. 671-80.

A reply to an article with the same title by W. Valk, 1927, SchmJb 51, pp. 653-69, on the question of the connection between marginal utility and the process of functional distribution. See also under FUNCTIONAL DISTRIBUTION.

SPANN, O. *Gleichwichtigkeit gegen Grenznutzen*. 1925. CJB 123, pp. 289-330.

Criticizes the methods of the marginalist school, and discusses Value, Price, and Distribution in the light of the concept of "Gleichwichtigkeit".

TAUSSIG, F. W. *Is Market Price Determinate?* 1921. QJE 35, pp. 394-411.

Points out that in certain familiar combinations of circumstances, market price is not determinate.

VEBLEN, T. *The Limitations of Marginal Utility*. 1909. JPE 17, pp. 620-36.

Argues that the concept of marginal utility is applicable only to problems of distribution, and that even within this limited range it can deal only with statical problems, and that it is therefore useless for dealing with modern business conditions. E. H. Downey, in a not very authoritative article on *The Futility of Marginal Utility*, 1910, JPE 18, pp. 253-68, denies that marginal utility doctrines possess even this very limited usefulness.

WALRAS, L. *Éléments d'Économie Politique Pure*. [1874-7.] 4th 1900. pp. xxiv + 496.

Section II, "Théorie de l'échange," consists of a mathematical examination of supply and demand curves, and their particular and general equilibria. Reference should also be made to the author's *Théorie mathématique de la*

richesse sociale, 1883, pp. 253, which contains seven papers dealing with various problems of value. Perhaps the most important of these papers are those entitled "Principe d'une Théorie Mathématique de l'Échange", first published in 1874, JE 34, 3rd Ser., pp. 5-21, and followed by a correspondence with JEVONS, and "Équations de l'Échange". The first of Walras's writings to appear in English was his article on the *Geometrical Theory of the Determination of Prices*, 1892, AAA 3, pp. 45-64, translated by I. FISHER.

WICKSTEED, P. H. *The Common Sense of Political Economy*. 1910. p. xi + 702.

An excellent introduction to all the subtleties of the marginal analysis. For a shorter treatment, see the author's *Alphabet of Economic Science*, 1888, pp. xiii + 140, a very valuable little work which aims at providing a thorough mathematical explanation of the "fundamental propositions of the theory of value". See also the author's address to the British Association on *The Scope and Method of Political Economy in the Light of the "Marginal" Theory of Value and Distribution*, 1913, Brit. Assocn. Report, pp. 560-73, and 1914, EJ 24, pp. 1-23.

WIESER, F. VON. *Der natürliche Wert*. 1889. pp. xvi + 239.

This book deals with value in the "private economy" and in the "national economy". It was translated by W. Smart and published as *Natural Value*, 1893. For a later development, see the author's *Theorie der gesellschaftlichen Wirtschaft* [1914], 2nd 1924, pp. xi + 330, noted under SYSTEMATIC TREATISES. A good earlier work is entitled *Über den Ursprung und die Hauptgesetze des wirtschaftlichen Werthes*, 1884, pp. xiv + 214. A short outline of the Austrian method is given in the author's article on *The Austrian School and the Theory of Value*, 1891, EJ 1, pp. 108-21, and also in a reply to a criticism by S. M. Macvane entitled *The Theory of Value*, 1892, AAA 2, pp. 600-28. Macvane further challenged the Austrian methods in *Marginal Utility and Value*, 1893, QJE 7, pp. 255-85, and in *The Austrian Theory of Value*, 1893, AAA 4, pp. 348-77.

ZUCKERKANDL, R. *Preis (Theorie)*. 1925. HdS, 4th Edn., vol. 6, pp. 994-1026.

Pt. I deals with questions of method, Pt II with the determination of prices, and Pt. III with the concept of normality. There is a large bibliography.

SUPPLY

The question of supply has, in most academic discussions, resolved itself into a question of cost. But the word "cost" has had no standardized meaning in this connection, and a great

deal has been written with the object of securing universal recognition for some particular definition, or with the object of classifying and perhaps reconciling the various definitions already accepted by different theorists. The matter is certainly not decided yet.

A very interesting set of problems is connected with production under conditions of "Joint Cost". For writings on this subject, see CLARK below, and also most of the items in the section on DIFFERENTIAL PRICES.

CLARK, JOHN MAURICE. *Studies in the Economics of Overhead Costs*. 1923. pp. xiii + 502.

An excellent study in the economics of Supply. Is especially illuminating on the concepts of Laws of Return and Overhead Cost. Bibliography. For a special treatment of overhead costs by the same author, see his *Overhead Costs in Modern Industry*, 1923, JPE 31, pp. 47-64, 209-42, and 606-86, in which they are defined as "all costs not economically traceable to units of output".

DAVENPORT, H. J. *Value and Distribution*. 1908. pp. xi + 582.

The first seven chapters contain an excellent, but difficult, analysis of most of the important concepts of cost. See also the author on *Proposed Modifications in Austrian Theory and Terminology*, 1902, QJE 16, pp. 355-84, and on *Cost and its Significance*, 1911, AER 1, pp. 724-52.

GREEN, D. I. *Pain-cost and Opportunity-Cost*. 1894. QJE 8, 218-29.

An important article, recommending the concept of "Opportunity-Cost" as a substitute for the widely-accepted "Pain-cost" concept.

HADLEY, A. T. *The Different Meanings of "Cost"*. 1897. QJE 11, pp. 310 and 311.

An ingenious attempt to indicate the relations between four different senses of "Cost".

KNIGHT, F. H. *Cost of Production and Price over Long and Short Periods*. 1921. JPE 29, pp. 304-35.

"This paper looks rather to the problem of exposition from the standpoint of the student than to the correction of errors in accepted doctrine," especially with the object of distinguishing between the forces which immediately regulate prices and those which ultimately control.

LORIA, A. *Appunti Critici alla Teoria del Costo di Riproduzione*. 1906. GE 32, pp. 218-28.

A short note, with arithmetical examples, in refutation of the idea that cost of reproduction is the basis of value.

MASON, E. S. *The Doctrine of Comparative Cost*. 1926. QJE 41, pp. 63-93.

Intended to indicate, and suggest remedies for, the inconsistencies in value theory which arise from the dependence

of real cost theories upon the possibility of securing a common measure of cost.

PIGOU, A. C. *An Analysis of Supply*. 1928. EJ 38, pp. 238-57.

In this article "it is proposed to study generally the way in which the relation between variations in normal supply price and variations in quantity of output is determined". Mathematical formulae and diagrams are employed.

DEMAND

The following writings deal with the nature of demand and with the forces which underlie it. For discussions of the effect of demand, see under DETERMINATION OF VALUE.

Some fundamental problems concerning the nature of the psychology of demand are investigated in writings under SCOPE AND METHOD.

ANGELL, J. W. *Consumers' Demand*. 1925. QJE 39, pp. 584-611.

A suggestive investigation of the nature and basis of wants and their effect on market prices.

BARONE, E. *Sulla "Consumer's Rent"*. 1894. GE 9, pp. 211-24.

A mathematical defence of the idea in answer to NICHOLSON in EJ 4.

BOWLEY, A. L. *Does Mathematical Analysis Explain?* 1924. Ec 4, pp. 135-9.

A mathematical counter-criticism of CANNAN's article. "The term consumer's surplus has, I think, a definite and consistent meaning; whether it is of use in analysis or exposition must be decided by economists." See also MACGREGOR.

CANNAN, E. *"Total Utility" and "Consumer's Surplus"*. 1924. Ec 4, pp. 21-6.

A detailed criticism of Marshall's doctrine of Consumer's Surplus, for a statement of which see his *Principles of Economics*. Cannan here denies both the usefulness and the logic of the concept. See also BOWLEY and MACGREGOR.

EDGEWORTH, F. Y. *Professor J. S. Nicholson on "Consumer's Rent"*. 1894. EJ 4, pp. 151-58.

Criticizes NICHOLSON's view that utility cannot be measured by money. For the conclusion of the controversy, see the writer on *The Measurement of Utility by Money*, 1894, EJ 4, pp. 347 and 348. For a very valuable example of the application of the mathematical method to marginal concepts, see the writer's *Mathematical Psychics*, 1881, pp. viii + 150.

FISHER, I. *Is "Utility" the Most Suitable term for the Concept it is used to denote?* 1918. AER 8, pp. 335-7.

Objects to the hedonistic implications of the term, suggesting as a substitute the curious word "wantability", of which the unit would be a "wantab"!

- JOHNSON, W. E. *The Pure Theory of Utility Curves*. 1913. EJ 23, pp. 483-513.

An examination, with the aid of unusual diagrammatic apparatus, of the nature and value of "constant utility curves".

- MACGREGOR, D. H. *Consumer's Surplus: A Reply*. 1924. EC 4, pp. 131-4.

A reply to CANNAN, in defence of the concept. See also BOWLEY.

- MERIAM, R. S. *Supply Curves and Maximum Satisfaction*. 1928. QJE 42, pp. 169-98.

A defence of the concept of consumer's surplus, and an examination, with the aid of diagrams, of the ways in which the surplus is affected by taxes and bounties.

- MILLER, H. E. *Utility Curves, Total Utility, and Consumer's Surplus*. 1927. QJE 41, pp. 292-316.

A criticism of Marshall's doctrine of consumer's surplus.

- MOORE, H. L. *Partial Elasticity of Demand*. 1926. QJE 40, pp. 393-401.

A mathematical attempt to bridge over the gap between the treatment of particular and general economic equilibria.

- NICHOLSON, J. S. *The Measurement of Utility by Money*. 1894. EJ 4, pp. 342-7.

A defence of the thesis that utility cannot be measured by money. See also EDGEWORTH.

- PIGOU, A. C. *Some Remarks on Utility*. 1903. EJ 13, pp. 58-68.

A defence of the "more modest applications" of the concept of consumer's surplus. See also the writer's *Producer's and Consumer's Surplus* for a mathematical exploration of the difficulties of measuring the surpluses in money, apart from the difficulties raised by using money as an index of satisfactions. See also EDGEWORTH and NICHOLSON in connection with this latter article.

- RICCI, U. *La loi de la demande individuelle et la rente de consommateur*. 1926. REP 40, pp. 5-24.

Suggests modifications of Marshall's views of consumer's surplus. For a mathematical analysis of some exceptional cases of demand, see the writer's *Curve Crescenti di Ofelimità elementare e di Domanda*, 1904, GE 29, pp. 112-38.

- VINER, J. *The Utility Concept in Value Theory and its Critics*. 1925. JPE 33, pp. 369-87 and 638-59.

An attempt to discover if the discrediting of the hedonistic psychology necessarily involves the discrediting of "utility

economics". The writer examines the significance of the utility concept in both "price-" and "welfare-economics".

WRIGHT, P. G. *Total Utility and Consumer's Surplus*. 1917. QJE 31, pp. 307-18.

"An attempt to adapt the concepts of total utility and consumer's surplus to a community with unequal incomes."

COMPETITION AND MONOPOLY

During the nineteenth century, it was customary to regard competition as the normal condition and monopoly as a special case, to be dealt with in footnotes and supplementary chapters. As a result, most theories of value and distribution applied only to a mythical "state of perfect competition", and needed considerable modification before they could shed much light on "actual conditions".

More recent thought regards "perfect competition" and "complete monopoly" as the two extremes of a continuous range of market conditions, and aims to discover truths which shall apply to all parts of this range. Thus monopoly and competition have come to be regarded rather as complementary ideals than as opposing actualities.

Nevertheless, perhaps partly owing to political and social interest in "monopolistic" industries, there remains a useful specialized literature of monopoly and of competition. Some of the best of this may be found incidentally in discussions of THE DETERMINATION OF VALUE and of FUNCTIONAL DISTRIBUTION. The study of these industries has also given rise to many interesting writings on DIFFERENTIAL PRICES.

AMOROSO, L. *La teoria matematica del monopolio trattata geometricamente*. 1911. GE 43, pp. 207-30.

A geometrical solution of some problems of monopoly, including that of the effect of different kinds of taxes and bounties.

BROWN, H. G. *Competitive and Monopolistic Price Making*. 1908. QJE 22, pp. 626-39.

A mathematical study in the responsiveness of sales to changes in price. The assertion is made that both monopolistic and competitive price-making are based on the same general principles.

CLARK, JOHN BATES. *The Limits of Competition*. 1887. PSQ 2, pp. 45-61.

Contains a criticism of Cairnes's doctrine of non-competing groups, and argues that the chief present-day limitations to competition are caused by combination. See the complementary article by GIDDINGS; and the survey of monopoly-tactics and limitations in CLARK's article on *Trusts*, 1900, PSQ 15, 181-95.

DURAND, E. D. *The Trust Problem : IV. The Alleged Advantages of Combination*. 1914. QJE 28, pp. 677-96.

A good examination of the various bases for the claim that combination is more economical than competition.

EDGEWORTH, F. Y. *La Teoria Pura del Monopolio*. 1897. GE 15, pp. 13-31, 307-20, and 405-14.

A mathematical survey (Reprinted in *Papers*, 1925). See also *The Pure Theory of Taxation*, 1897, EJ 7, pp. 46-70, 226-38, and 550-71, (Reprinted in *Papers*); and *Applications of Probabilities to Economics*, 1910, EJ 20, pp. 284-304, and 441-65.

ELY, R. T., and others. *Outlines of Economics*. [1893.] 4th 1923. pp. 180-200.

Ch. 12 contains a good discussion on the nature and classification of monopolies.

GIDDINGS, F. H. *Persistence of Competition*. 1887. PSQ 2, pp. 62-78.

Claims that combination will give the same ultimate results as competition, but in a less wasteful manner. See the complementary article by CLARK.

MARSHALL, A. *Some Aspects of Competition*. 1891. Brit. Assocn. Report. pp. 895-915.

This presidential address attempts to indicate some changes in the attitude of economists towards competition, in connection with the problems of Protection, Trusts, Socialism, etc.

MOORE, H. L. *Paradoxes of Competition*. 1906. QJE 20, pp. 211-30.

Largely an attempt to indicate the implications of the employment of the word "competition" in different contexts and with different meanings.

PARETO, V. *Il massimo di utilità dato dalla libera concorrenza*. 1894. GE 9, pp. 48-66.

A mathematical investigation of the relationship between competition and the maximising of utility.

PIGOU, A. C. *The Economics of Welfare*. [1920.] 3rd 1929. pp. 251-410.

Pt. II, chs. 14-22, contains valuable discussions of the conditions of monopolisation, the problems of discriminating monopoly, and the question of State intervention. In connection with the special problem of railway rates, see Pigou and Taussig and others in the section on DIFFERENTIAL PRICES. See also Pigou on *Equilibrium under Bilateral Monopoly*, 1908, EJ 18, pp. 205-20, and on *Monopoly and Consumer's Surplus*, 1904, EJ 14, pp. 388-94. See also the criticisms of the latter by EDGEWORTH in EJ 17, pp. 221-31.

WOLFE, A. B. "*Competitive*" *Costs and the Rent of Business Ability*. 1924. QJE 39, pp. 39-69.

Sheds much incidental light on the concept of the "perfectly competitive market".

THEORY OF DIFFERENTIAL PRICES

Most price theories assume such conditions of demand and supply as will ensure the determination of a single price for a commodity. In certain types of industry—especially the public utilities—this single price is not established in actual fact, different rates being charged to different types of consumer. A theory of differential prices has been constructed to explain these conditions. There is very little divergence of opinion concerning its main principles, which have been best expounded by EDGEWORTH in mathematical form, by CLARK and PIGOU deductively, and by HAMMOND inductively.

Reference should also be made to certain works on SUPPLY and on COMPETITION AND MONOPOLY.

BARKER, H. *Public Utility Rates*. 1917. pp. xiv + 387.

This book of practical advice to rate-makers, written by the editor of an engineering journal, contains much excellent theory on differential prices, and has been made the basis of a number of later books.

CLARK, JOHN MAURICE. *Studies in the Economics of Overhead Costs*. 1923. pp. xiii + 502.

This useful book contains important chapters on some of the causes of differentiation in prices. For further reading, see the author's *Social Control of Business*, 1926, pp. xv + 483. See also note under SUPPLY.

COLSON, C. *Transports et Tarifs* [1885] 3rd 1908. pp. 863.

A study in differential prices by the foremost French authority on the subject. See also *Cours d'Économie Politique*, Vol 6. [1907.] 3rd 1924.

EDGEWORTH, F. Y. *Contributions to the Theory of Railway Rates*. 1911-12. EJ 21, pp. 345-70 and 551-71, and 22, pp. 198-218.

These papers contain excellent mathematical discussions of the bases of discrimination. Some other conclusions with regard to differential prices in the articles on *Applications of Probabilities to Economics*, 1910, EJ 20, pp. 284-304 and 441-65 were criticized by C. F. Bickerdike in a note on *Monopoly and Differential Prices*, 1911, EJ 21, pp. 139-43, and defended by Edgeworth on pp. 143-8. All of these writings by Edgeworth were reprinted in his *Papers Relating to Political Economy*, 1925, 3 vols.

- GLAESER, M. G. *Outlines of Public Utility Economics*. 1927. pp. xxvi + 847.

This very useful, but rather unmethodical, work, covers the whole field of public utility theory, and has some good chapters on bases and systems of differentiation. It contains many notes on books.

- HAMMOND, M. B. *Railway Rate Theories of the Inter-State Commerce Commission*. 1910-11. QJE 25, pp. 1-66, 279-336, and 471-538.

An attempt to base a theory of railway rates on an inductive study of the findings of the Commission. Seven bases for the determination of rates are examined, and the conclusion is arrived at that the tendency of the Commission, and of other authorities, is toward the establishment of a cost-of-service basis. The articles were reprinted in book form, 1911, pp. vi + 200.

- PIGOU, A. C. *Wealth and Welfare*. 1912. pp. xxxi + 493.

In this book, Pigou challenged the view that railway rates are an illustration of the effects of the principle of joint cost. TAUSSIG criticized this attitude in an article on *Railway Rates and Joint Cost Once More*, 1913, QJE 27, pp. 378-84. For further stages of the controversy, see Pigou on *Railway Rates and Joint Cost*, 1913, QJE 27, pp. 535-6 and 687-92, and in *The Economics of Welfare* [1920], 3rd 1929, pp. xxxi + 835; and TAUSSIG, below.

- TAUSSIG, F. W. *Railway Rates and Joint Cost Once More*. 1913. QJE 27, pp. 378-84.

For details of this controversy with PIGOU, see references under PIGOU above, and also further notes by Taussig on *Railway Rates and Joint Cost*, 1913, QJE 27, pp. 536-8 and 692-4. See also an earlier article entitled *A Contribution to the Theory of Railway Rates*, 1891, QJE 5, pp. 438-65.

- WATKINS, G. P. *The Theory of Differential Rates*. 1916. QJE 30, pp. 682-703.

A contribution of the first importance, illustrating the process of differential rate-making by reference to the electricity industry.

FUNCTIONAL DISTRIBUTION

From the time of Adam Smith till the present day, most economists have treated the question of Distribution as a series of separate questions relating to rates of interest, wages, profits, and rent. Till fairly recently, different sorts of explanation were put forward to account for each separate set of phenomena; and although many writers now adopt a uniform explanation, there is no general agreement as to whether the problem should be regarded as a problem of payments or as a problem of incomes. A view which seems to be gaining ground in most countries is that the study of rates of payment (for work done, or for money lent, or for property let) is an important part of the study of production—since it sheds much light on the questions of incentive and utilization of resources—and an important preliminary to the study of the distribution of wealth among persons; but that it is not truly a study of distribution, since the concept of distribution implies *amounts*, and this study deals not with amounts but with *rates*. This view involves the opinion that the true study of distribution is the study of total incomes.

So long as the distinction is observed, it does not seem to matter much what labels are affixed to the various studies. The mere term "Distribution" is, in the present circumstances, ambiguous; and yet it seems undesirable to break the historical continuity of terminology by abandoning it altogether. The term "Functional Distribution" is therefore here adopted for what CASSEL has called, more aptly, "The Pricing of the Factors of Production"; and the term "Personal Distribution" for the process to which the title "distribution" seems to belong by right of logic but not by right of custom.

The only satisfactory historical account of the development of these branches of study is to be found in the masterpiece of one of the pioneers of the study of personal distribution—CANNAN'S *History of the Theories of Production and Distribution* [1893], 3rd 1917, pp. xv + 422.

The following section contains references to writings about rent, wages, interest, and profits, considered as separate payments; and these types of payment are dealt with separately in the writings noted in the subsequent four sub-sections.

BARONE, E. *Studi sulla Distribuzione*. 1896. GE 12, pp. 107-55 and 235-52.

These articles were intended as a preface to a book on distribution, and give the best short account of the author's views on that subject.

- CANNAN, E. *The Division of Income*. 1905. QJE 19, pp. 341-69. Reprinted in *The Economic Outlook*. 1912. pp. 215-253.

One of the earliest writings to draw attention to the lack of a theory of personal distribution in current economics. For the constructive aspect of the author's views on distribution, see his *Wealth* [1914], 3rd 1928.

- CARVER, T. N. *The Distribution of Wealth*. 1904. pp. xvi + 290.

Builds up a theory of functional distribution, starting from the premiss that the problem is only a particular aspect of the problem of value. The book contains short reading-lists. See also *The Marginal Theory of Distribution*, 1905, JPE 13, pp. 257-66, for a defence of the theory and an attack upon HOBSON'S conception of it.

- CASSEL, G. *Theoretische Sozialökonomie*. [1918.] 3rd 1923. pp. 148-335.

The Second Book, on "Der Preisbildung der Produktionsfaktoren", deals with pricing in general, interest, rent, and wages. The author's theories are perhaps not so startlingly original as his terminology; nevertheless, his insistence on the nature and functions of the "Pricing Process" has had an influence on the development of theory that it is impossible to ignore. For a criticism, see Otto Conrad on *Der Ausgangspunkt der theoretischen Nationalökonomie*, 1927, CJB 127, pp. 1-31.

- CLARK, JOHN BATES. *The Distribution of Wealth*. 1899. pp. xviii + 445.

One of the classics on this subject. Aims "to show that the distribution of the income of society is controlled by a natural law, and that this law if it worked without friction, would give to every agent of production the amount of wealth which the agent creates". Contains the substance of a series of articles and monographs published between 1881 and 1899. The most important of these are:—*Capital and its Earnings*, 1888, Pub. AEA 3, ii, pp. 1-69; *The Law of Wages and Interest*, 1890, AAA 1, pp. 43-65, which puts forward the view of distribution as "proportionate production"; *Distribution as Determined by a Law of Rent*, 1891, QJE 5, pp. 289-318, which was evolved independently of HOBSON'S article and leads practically to the same conclusions; *The Statics and the Dynamics of Distribution*, 1891, QJE 6, pp. 111-19, which is a reply to WALKER'S criticism in QJE 5, explaining that the article on the law of rent was limited to the statics of the subject. Reference should also be made to the important series of complementary articles by the author and F. H. Giddings on *The Modern Distributive Process*, 1888, pp. viii + 69, reprinted from PSQ. These four "studies of the process by which the income of

modern society is divided among its principal claimants" lead to complementary conclusions which were established independently and before joint publication had been decided upon. Clark writes on *The Limits of Competition* and on *Profits under Modern Conditions*, and Giddings on *The Persistence of Competition* and on *The Natural Rate of Wages*. For an examination of the dynamic laws of distribution and the result of their joint action with the static laws, see the author's *Essentials of Economic Theory*, 1907, pp. 127-209, and *passim*. See also W. M. Adriance on *Specific Productivity*, 1914, QJE 29, pp. 149-76, for a criticism; and notes under HOBSON and PADAN.

DICKINSON, H. D. *Institutional Revenue*. 1924. Ec 4, pp. 186-91.

After distinguishing between Scarcity and Restriction, this article argues "that certain sets of institutions secure for certain groups of individuals an Institutional Restriction of certain factors of production, . . . and that there is thus introduced into the earnings of members of the restricted group an element akin to monopoly revenue."

DOBB, M. *Capitalist Enterprise and Social Progress*. 1925. pp. x + 409.

A stimulating book, written "in the belief that a theory of enterprise must form the *point d'appui* of any consistent survey of Applied Economics". Pt. I, Analytical; Pt. II, Historical; Pt. III, Applied.

EDGEWORTH, F. Y. *The Theory of Distribution*. 1904. QJE 18, pp. 159-219.

A non-mathematical analysis of "distributive exchange". Reprinted in *Papers Relating to Political Economy*, 1925, 3 vols.

GIDDINGS, F. H. See under CLARK, JOHN BATES.

HAYECK, F. A. VON. *Bemerkungen zum Zurechnungsproblem*. 1926. Cjb 124, pp. 1-18.

Deals chiefly with criticisms of subjective explanations.

HOLLANDER, J. H. *The Residual Claimant Theory of Distribution*. 1903. QJE 17, pp. 261-79.

Describes four groups of theories which treat the landlord, the capitalist, the labourer, and the entrepreneur respectively as residuary legatee, and suggests the inadequacy of them all.

HOBSON, J. A. *The Economics of Distribution*. 1900. pp. ix + 361.

"Endeavours to construct an intelligible, self-consistent theory of Distribution, by means of an analysis of those processes of bargaining through which economic distribution is actually conducted." *The Law of the Three Rents*, 1891, QJE 5, pp. 263-88, applies the differential principle to wages and interest as well as rent, and so criticizes WALKER's theory by disputing the position of Labour as residual

claimant. *The Industrial System*, 1909, pp. 82-114, and *passim* amplifies the argument of the author's earlier work, and describes in detail those bargaining processes which he regarded as being of great importance. His *Marginal Units in the Theory of Distribution*, 1904, JPE 12, pp. 449-72, contains a criticism of CLARK; and with *The Marginal Theory of Distribution*, 1905, JPE 13, pp. 577-90, forms part of a controversy with CARVER. *The Subjective and Objective View of Distribution*, 1893, AAA 4, pp. 378-403, is a convenient epitome of Hobson's earlier views. For a good criticism, see J. L. Laughlin on *Hobson's Theory of Distribution*, 1904, JPE 12, pp. 305-26.

KLEENE, G. A. *Profits and Wages*. 1916. pp. iv + 171.

Deals with theories of interest, of profits, and of wages, using parts of an article in QJE 1912.

KLEINWÄCHTER, F. VON. *Die Lehre vom Grenznutzen und das sogenannte Zurechnungsproblem der Wiener nationalökonomischen Schule*. 1920. CJB 114, pp. 97-133.

Argues that the equations involved in the *Zurechnungsproblem* are indeterminate, and calls the attempt to solve them "an economic squaring of the circle".

KNIGHT, F. H. *A Note on Professor Clark's Illustration of Marginal Productivity*. 1925. JPE 33, pp. 550-4 and 557-61.

Two mathematical notes criticizing J. Maurice Clark's application of Euler's Theorem to the problem of distributive shares, in JPE 33. See also Clark's replies.

LEROY-BEAULIEU, P. *Essai sur la répartition des richesses*. [1880.] 4th 1897. pp. xvi + 630.

Stresses the institutional aspect.

LIEFMANN, R. *Das Gesetz des Ausgleichs der Grenzerträge*. 1917. CJB 108, pp. 1-64.

An ambitious study of the marginal productivity theory in all its branches. For a closer examination of the characteristics of "*die Wertzurechnung*" and "*die Ertragszurechnung*" see *Zurechnung und Verteilung*, 1924, SchmJb 48, pp. 439-71. A statement in English of Liefmann's position, and criticisms of KLEENE, SCHUMPETER, and others, are to be found in *The Chief Problem of Economic Theory*, 1921, QJE 36, pp. 335-42.

MACGREGOR, D. H. *Earnings and Surpluses*. 1908. EJ 18, pp. 532-40.

A discussion of the concepts of the "National Dividend" and the "Margin".

MARSHALL, A. *Distribution and Exchange*. 1898. EJ 8, pp. 37-59.

As the publication of vol. 2 of his *Principles* had been delayed

—actually it never was published—the writer endeavours to show the place held by his theory of distribution and exchange in the general system of economics. The immediate cause of the article's appearance was an article by Hadley in QJE 7. See also *The Theory of Business Profits*, 1887, QJE 1, pp. 477–81, and the article by WALKER which provoked it. Reference should, of course, be made to Marshall's *Principles, passim*.

MENGER, ANTON. *Das Recht auf den vollen Arbeitsertrag*. [1886.] 4th 1910. pp. x + 178.

Deals historically and critically with this cardinal principle of socialism. Tr. into English by M. E. Tanner, *The Right to the Whole Produce of Labour*, 1899, with an introduction and Bibliography of the English Socialist School by H. S. Foxwell.

PADAN, R. S. *Marginal Utility and Exchange Value*. 1905. JPE 13. pp. 389–418.

A detailed criticism of the Austrian Theory of Value, with special reference to VON WIESER. The writer attacks J. B. CLARK'S *Formulæ of Wages and Interest*, 1901, JPE 9, pp. 161–90.

SCHUMPETER, J. *Das Wesen und der Hauptinhalt der theoretischen Nationalökonomie*. 1908. pp. xxxii + 626.

Contains a classic discussion of the "Zurechnungsproblem." *Das Rentenprinzip in der Verteilungslehre*, 1907, SchmJb 31 N.S., pp. 31–65 and 591–634, discusses the place of the rent-principle in classical theory and its successive applications to the concepts of Rent of Ability, Monopoly Profits, Quasi-Rent, The Laws of Return, Producer's Rent, and Consumer's Rent. *Bemerkungen über das Zurechnungsproblem*, 1909, ZV 18, pp. 79–132, is an examination of Böhm-Bawerk's and WIESER'S solutions of the problem. For a general criticism of Schumpeter's system, see A. Lampe on *Schumpeters System und die Ausgestaltung der Verteilungslehre*, 1923, CJb 121, pp. 417–44 and 513–46.

SMART, W. *The Distribution of Income*. 1899. pp. xv + 341.

From an examination of the nature of the National Income, the author discovers that the productive and distributive processes are identical. He therefore examines the forces which condition and over-rule the payments made by employers, and comes to the conclusion that there is "something curiously like a rough justice in distribution". See also the author's introduction to VON WIESER'S *Natural Value*, 1893.

TAUSSIG, F. W. *The Employer's Place in Distribution*. 1895. QJE 10, pp. 67–94.

"The object of the present paper is to analyze and describe

the machinery of distribution, and more particularly to consider how much of truth there is in the wages-fund view of that machinery."

TUGAN-BARANOWSKY, M. *Sociale Theorie der Verteilung*. 1913. pp. 82.

Deals with the methodology of distribution problems and separately with the problems of rent, wages, and profits.

WALKER, F. A. *The Wages Question*. 1876. pp. iv + 428.

Pt. I, "Production and Population," deals with the nature of wages, the relation between wages and population, and the question of the wage-fund. Pt. II, "Distribution," deals with wage-earning and wage-paying classes and with possibilities of raising wages. *The Doctrine of Rent, and the Residual Claimant Theory of Wages*, 1891, QJE 5, pp. 417-37, is a vindication and counter-criticism in answer to criticisms of BONAR, CLARK, and HOBSON. For other criticisms see F. B. Hawley on *Profits and the Residual Theory*, 1890, QJE 4, pp. 387-96; S. M. Macvane on *The Theory of Business Profits*, 1887, QJE 2, pp. 1-36; and S. N. Patten on *President Walker's Theory of Distribution*, 1889, QJE 4, pp. 34-49.

WICKSTEED, P. H. *An Essay on the Co-ordination of the Laws of Distribution*. 1894. pp. 56.

A mathematical exposition of the marginal theory.

WIESER, F. VON. *Natürliche Werthe*. 1889. pp. 239.

Books III and IV exemplify the application of the Austrian methods to the problem of the "natural value" of Land, Capital, and Labour. Tr. into English by C. A. Mallock, edited by W. SMART, and published as *Natural Value*, 1893.

WAGES

Because labour is a peculiarly "human" commodity, it is always difficult to approach the problems of wages in a truly scientific spirit. Many theories show traces either of an academic sentimentalism, or of a reactionary harshness which is less imaginative, but quite as untrue to facts. Partly for this reason, and partly because there really are certain important characteristics of wages which distinguish them from all other payments, wage theory has frequently been constructed quite independently of the general body of distribution theory. Some economists, in fact, have built their general theory of distribution on a previously-constructed wage theory. For examples of this method of treatment, see under FUNCTIONAL DISTRIBUTION.

CARVER, T. N. *The Theory of Wages adjusted to Recent Theories of Value*. 1894. QJE 8, pp. 377-402.

Puts forward a rather complicated modification of the productivity theory.

- CLARK, JOHN BATES. *Possibility of a Scientific Law of Wages*. 1889. Pub. Am. Econ. Ass. IV, 1, pp. 39-69.
 An attempt to find a universal law of wages, with a supplementary note on corollaries to the theory. See also the author on *The Dynamic Law of Wages*, 1899, YR 7, pp. 375-82, for a defence of dynamic theories in general and dynamic wage-theories in particular. See also note on *The Distribution of Wealth* in the section on DISTRIBUTION.
- DAVENPORT, H. J. *Wage Theory and Theories*. 1919. QJE 33, pp. 256-97.
 A comparative study, followed by some illuminating remarks on the effect of institutional and competitive processes on real and money wages. See also the author on *Non-Competing Groups*, 1925, QJE 40, pp. 52-81, for an examination of some of the assumptions involved in Cairns's doctrine of non-competing groups.
- DAVIDSON, J. *The Bargain Theory of Wages*. 1898. pp. v + 319.
 "The outcome of the attempt of the writer, during five years, to analyze the wages question, historically as well as theoretically. He began with the theory presented by the late President WALKER in his *Wages Question*, but was soon forced to give as a supplement an exposition of the history of wages theory; and gradually came to find out that the theories were not mutually antagonistic but, in a sense, complementary." The book deals with The Subsistence Theory, The Wages-Fund Theory, The Productivity Theory, The Bargain Theory, Mobility of Labour, Trade Unions as a Wages Factor, and Methods of Industrial Remuneration as a Wages Factor.
- EDGEWORTH, F. Y. *Equal Pay to Men and Women for Equal Work*. 1922. EJ 32, pp. 431-57.
 Equal pay is advocated, with some reservations.
- GIDDINGS, F. H. *The Natural Rate of Wages*. 1887. PSQ 2, pp. 620-37.
 An attempt to estimate the relative parts played by competitive forces and moral forces in the determination of wages, concluding that the moral forces have a great indirect effect.
- HAMILTON, W. H. *A Theory of the Rate of Wages*. 1922. QJE 36, pp. 581-625.
 A criticism of all existing wage-theories, and an attempt to give an answer to the problem of how real wages can be raised.
- JOHNSON, A. S. *The Effect of Labour-Saving Devices upon Wages*. 1905. QJE 20, pp. 86-109.
 Intended to show that the problem is far more complex than has been universally assumed, and that every labour-saving invention does not necessarily benefit the labourer in the long run.

MACVANE, S. M. *Business Profits and Wages : A Rejoinder*. 1888. QJE 2, pp. 453-68.

Attempts to clear up some outstanding points raised by MARSHALL and WALKER in earlier articles. See also his *Boehm-Bawerk on Value and Wages*, 1890, QJE 5, pp. 24-43, which criticizes the theory of wages given in the *Positive Theorie des Kapitals* and defends those given in Macvane's *Working Principles*.

MARSHALL, A. *Principles of Economics*. [1890.] 8th 1920. Bk. VI, chs. 2-5, and *passim*.

A close and exhaustive analysis of the process of wage-determination, specially useful for its statement of the differences between labour and other commodities. In scattered pages, a theory of the influence of Trade Unions is developed. For a more systematic exposition of this, see *The Economics of Industry* [1892]; 3rd 1899, Bk. VI, ch. 14.

MARX, K. *Das Kapital*. [1867.] 4th 1890-4. 3 vols.

Criticizes the "bourgeois society's" valuation of labour. English translation, *Capital*, by S. Moore and E. Aveling. 1886.

MOORE, H. L. *Laws of Wages*. 1911. pp. viii + 196.

This "essay in statistical economics" claims to substantiate the doctrine that "with a definite technical and social organization of industry, the labourer tends to get what he produces". See also the author on *Von Thünen's Theory of Natural Wages*, 1895, QJE 9, pp. 291-304 and 388-408, for a comparative and critical study of Von Thünen's formula, and a valuable bibliography; and on *The Efficiency Theory of Wages*, 1907, EJ 17, pp. 571-9 for a statistical verification of the "efficiency theory" of wages as formulated by MARSHALL.

OPPENHEIMER, F. *Der Arbeitslohn*. 1926. pp. 74.

Contains a criticism of important German and other theories.

PIGOU, A. C. *The Economics of Welfare*. [1920.] 3rd 1929. pp. 411-642.

Deals with the distribution of labour, industrial disputes and arbitration, methods of engagement and remuneration, "fair wages", minimum wages, unemployment, etc., from the modernized Cambridge point of view. *A Minimum Wage for Agriculture*, 1913, *Nineteenth Century* Decr., and reprinted in *Essays in Applied Economics*, 1923, pp. 41-58, contains excellent discussions of the meaning of "fair wages" and "living wages", and approves, with qualifications, of attempts to secure these levels by government regulation.

ROBBINS, L. *Wages*. 1925. pp. 94.

This little handbook forms a very convenient introduction to a study of wages. It deals with The Nature and Measurement

of Wages, Wages and the Cost of Labour, The Determination of Wages, Fluctuations in Wages, Trade Unions and Wages, The State and Wages, General Wages, and contains a short note on further reading.

ROWE, J. W. F. *Wages in Practice and Theory*. 1928. pp. x + 277.

This useful book is the outcome of eight years' special study of the facts relating to wages in five great British industries. The most salient of these facts are presented in Pt. I; Pt. II is a study of collective bargaining; and Pt. III presents some theoretical conclusions for which the author claims that, even if they are not definitive, they "will be found to fit a prominent place in the foreground when that revision and restatement of wage-theory, which is so urgently required, has been completed."

SCHMOLLER, G. *Die Lohntheorie*. 1914. SchmJb 38, pp. 1705-36.

A rather loosely-arranged discussion of influences affecting wage-rates and of the effects of changes in wages, with special reference to actual conditions.

TAUSSIG, F. W. *Wages and Capital*. 1896. pp. xviii + 329.

This "examination of the Wages Fund Doctrine" gives the author's personal point of view first and follows it up with a history of the Wages Fund controversy. Ch. 15 summarizes the argument of the book in 6 pp. See also *The Wages-Fund Doctrine at the Hands of German Economists*, 1894, QJE 9, 1-25, for a discussion of the theories of Hermann, Brentano, Roscher, Mithoff, Cohn, Philippovitch, and Böhm-Bawerk; and *The Employer's Place in Distribution*, 1896, QJE 10, pp. 67-94, which is valuable for its remarks on the two different cases of hired and independent labour. See also a criticism by J. G. Thompson in *Present Work and Present Wages*, 1910, QJE 24, pp. 515-35.

THOMPSON, H. M. *The Theory of Wages*. 1892. pp. xxiv + 140.

An excellent discussion of the way in which the "Universal Dividend" is divided among the agents of production, with special reference to labour's share.

WALKER, F. A. *The Wages Question*. 1876. pp. iv + 428.

See note in the section on FUNCTIONAL DISTRIBUTION.

WICKSELL, K. *Kapitalzins und Arbeitslohn*. 1892. CJB 59, pp. 852-74.

Chiefly a study, involving some mathematics, of the theories of Böhm-Bawerk and Jevons.

WOOD, S. *Theory of Wages*. 1889. Pub. Am. Econ. Ass. IV, 1, pp. 1-35.

Establishes the formula that "the price of a given amount of labour is the same as the price paid for the use of such

amount of capital as would replace the labour in those employments where labour and capital are interchangeable and where either can be used to equal advantage", and examines its implications and practical usefulness.

ZWIEDINECK-SÜDENHORST, VON. *Lohntheorie und Lohnpolitik*. 1925. HdS, 4th edn. Vol. 6. pp. 396-426.

Deals with the nature and object of wage-theory, gives a history of theories, and briefly develops a positive theory. A large bibliography is appended.

INTEREST

Nearly all modern theories seem to admit that interest is the payment made for the performance of a service. Nearly all theories seem to disagree concerning the nature of this service. Most of the following writings deal with the problems of the nature and necessity of interest which lie at the root of this important disagreement.

Reference should be made to the section on FUNCTIONAL DISTRIBUTION for further discussion of the determination of interest, and to the section on CAPITAL AND INCOME for writings on the relation between interest and capital.

BÖHM-BAWERK, E. VON. *Kapital und Kapitalzins*. [1884-9.] 3rd 1909-14. 2 vols.

For note on editions and translation, see under SYSTEMATIC TREATISES. For a reply to some points raised by CLARK in QJE 9, see *The Origin of Interest*, 1895, QJE 9, pp. 380-7. See also *The Positive Theory of Capital and its Critics*, 1895-6, QJE 9, pp. 113-31, and 235-56, and 10, pp. 121-55; *Capital and Interest once more: II. A Relapse to the Productivity Theory*, 1907, QJE 21, pp. 247-82; *Zins*, HdS [3rd 1911], 1928, 8, pp. 1130-43; *Eine "dynamische" Theorie des Kapitalzins*, 1913, ZV 22, pp. 1-62 and 640-56 (a criticism of SCHUMPETER's views); and *Macht oder Ökonomisches Gesetz?* 1914, ZV 23, p. 205. For a brief presentation of the theory in English, see W. Smart on *The New Theory of Interest*, 1891, EJ 1, pp. 675-87. For a criticism see H. Bilgram's *Comments on the "Positive Theory of Capital"* 1892, QJE 6, pp. 190-206; and L. v. Bortkiewicz on *Der Kardinalfehler der Böhm-Bawerkschen Zinstheorie*, 1906, SchmJb 30, pp. 943-72 and his *Zur Zinstheorie*, 1907, SchmJb 30, pp. 1288-1303. F. A. Walker on *Dr Boehm-Bawerk's Theory of Interest*, 1892, QJE 6, pp. 399-416, is both diffident and penetrating. See also CARVER, CLARK, CONRAD, DAVENPORT, DIEHL, FETTER, GREEN, HAWLEY, LANDRY, OSWALT, SCHUMPETER.

BROWN, H. G. *The Marginal Productivity versus the Impatience Theory of Interest*. 1913. QJE 27, pp. 630-50.

Argues that impatience is not the fundamental cause of

interest in modern times, but one of two causes, and to some extent a consequence of the other cause—the superiority of indirect production. This view is defended against FETTER, in *The Discount versus the Cost-of-Production Theory of Capital Valuation*, 1914, AER 4, pp. 340-9.

- CANNAN, E. *The Determination of the Rate of Interest in An Economist's Protest*. 1927. pp. 285-98.

This lecture, delivered in 1921, contains a brief history of interest theories, and the most convenient statement of the author's own theory. For another statement, more complete in some ways, but without consideration of the modern money-market, see *Wealth* [1914], 3rd 1928, ch. 7.

- CARVER, T. N. *The Place of Abstinence in the Theory of Interest*. 1893. QJE 8, pp. 40-61.

Intended to show that Productivity and Abstinence Theories of interest are not contradictory but complementary. The writer's article on *The Relation of Abstinence to Interest*, 1903, QJE 18, pp. 142-5, is a defence of this thesis against the attack upon it made by BÖHM-BAWERK in the 2nd Edn. of his *Geschichte und Kritik der Kapitalzins-Theorien*.

- CASSEL, G. *The Nature and Necessity of Interest*. 1903. xii + 189.

One of the earliest statements of the author's "Theory of Pricing", according to which, interest is one sort of price. Important conclusions concerning interest under Socialism and usury are drawn. For a later statement of the doctrine, see the author's *Theoretische Sozialökonomie* (for note, see under SYSTEMATIC TREATISES). See also LANDRY.

- CLARK, JOHN BATES. *The Genesis of Capital*. 1893. YR 2, pp. 302-15.

"Economic theory owes a vast general debt to the author of *Capital and Interest* [BÖHM-BAWERK]; but it will solve the specific problem of interest, as I venture to claim, after it has returned to the route that he has abandoned." In *The Origin of Interest*, 1895, QJE 9, pp. 257-78, the writer claims that BÖHM-BAWERK's "route", if followed far enough, leads to a productivity theory of interest; and *Real Issues concerning Interest*, 1895, QJE 10, pp. 98-102, is a last attempt to remove certain alleged misunderstandings on the part of the Austrian. See also the articles, by both disputants, noted in the section on CAPITAL AND INCOME.

- CONRAD, O. *Kapitalzins*. 1908. Cjb 90, pp. 325-59.

Discusses the nature of capital and interest, with special reference to BÖHM-BAWERK and Marshall, distinguishing three types of interest, and putting forward a single monopoly-gain theory to account for them all.

DAVENPORT, H. J. *Interest Theory and Theories*. 1927. AER 17, pp. 636-56.

Distinguishes between rental and interest contracts and examines the main types of interest theory, especially the typical theories of BÖHM-BAWERK and FISHER, concluding that most theories err "only on the side of their errors of exclusiveness, their lack of catholicity, their non-eclectic character".

DIEHL, K. *Zur Kritik der Kapitalzinstheorie von Böhm-Bawerk* 1915. CJB 105, pp. 577-607.

Deals with the nature of capital, the "roundabout process", the "three bases" of the superior value of present goods, interest under Socialism, and other important points stressed by BÖHM-BAWERK.

FETTER, F. A. *The Relations between Rent and Interest*. 1904. Pub. Am. Econ. Ass. 5, Ser. iii, pp: 67.

Consists of: a series of propositions intended to demonstrate "that the conventional rent concept contains several conflicting thoughts", "an examination of two possible but inexpedient ways of making the rent and interest concepts formally consistent", and a positive solution based upon a new theory of distribution. The paper is followed by a report of a discussion by CARVER, Ely, GIDDINGS, and others, and of Fetter's reply. For a criticism of BÖHM-BAWERK's use of the idea of indirect production, see *The "Roundabout Process" in the Interest Theory*, 1902, QJE 17, pp. 163-80. *Interest Theories, Old and New*, 1914, AER 4, pp. 68-92, is an attempt to describe the present position of Interest Theories, stressing the importance of the "capitalization theory". See the replies to this by FISHER and SEAGER in AER and by BROWN in QJE, and Fetter's reply to BROWN in *Capitalization versus Productivity*, 1914, AER 4, pp. 856-9.

FISHER, I. *The Rate of Interest*. 1907. pp. xxii + 354.

Consists of: I, "Criticism of Previous Theories," containing a good classification and valuable hints for further reading; II, "First Approximation" to a Positive Theory; III, "Second and Third Approximations"; IV, "Conclusions" and "Inductive Verification". This is the classic source of information about the "Impatience Theory". A briefer statement may be found in *Elementary Principles of Economics*, 1912, pp. 354-409; and a defence (against SEAGER) in *The Impatience Theory of Interest*, 1913, AER 3, pp. 610-18.

GIDDINGS, F. H. *The Growth of Capital and the Cause of Interest*. 1891. QJE 5, pp. 242-8.

A clarified restatement of the writer's views on interest. For a criticism see H. Bilgram on *The Interest Controversy*, 1891, QJE 5, pp. 375-7. See also GREEN.

GREEN, D. I. *The Cause of Interest*. 1891. QJE 5, pp. 361-5.

A criticism of BÖHM-BAWERK and GIDDINGS, and a constructive "use-theory".

HADLEY, A. T. *Interest and Profits*. 1893. AAA 4, pp. 337-47.

Aims to show that the justification of interest is not the productivity of capital, nor the differences between the values of present and future goods, but in the selective function of the payment of interest.

HAWLEY, F. B. *The Fundamental Error of "Kapital und Kapitalzins"*. 1892. QJE 6, pp. 280-307.

BÖHM-BAWERK's fundamental error is said to be "that he is really unaware of what interest actually is".

KNIGHT, F. H. *Neglected Factors in the Problem of Normal Interest*. 1916. QJE 30, pp. 279-310.

Discusses the nature of capital and the conditions of its supply, its demand, and the equilibrium between the two, concluding that the normal rate of interest is the anticipated productivity of the next unit of capital investment at the time under consideration.

KOTANY, L. *A Theory of Profit and Interest*. 1922. QJE 36, pp. 413-53.

Holds that the minimum rate for every industry is that paid by the firm of optimum size.

LANDRY, A. *L'intérêt du capital*. 1904. pp. 367.

Deals with definitions, why capital demands and obtains interest, and other kinds of income, resumé of theory, criticism of other theories, and BÖHM-BAWERK's and the author's theories of the determination of the rate of interest. There is an appendix on CASSEL's theory.

LAVINGTON, F. *Short and Long Rates of Interest*. 1924. Ec 4, pp. 291-303.

Statistical answers to some questions concerning the relation between short and long rates.

MACVANE, S. M. *Capital and Interest*. 1892. QJE 6, pp. 129-50.

Claims that the elimination of savings from the concept of capital leads to a clarified view of interest.

MCGOUN, A. F. *The Nature of Interest and the Causes of its Fluctuations*. 1917. QJE 31, pp. 547-70.

"Capital yields interest because a given product can be turned out with less labour with the aid of capital than would be necessary without this aid."

MOLINARI, G. DE. *Le fondement et la raison d'être de l'intérêt du capital*. JE Ser. v, 54, pp. 321-39.

An attempt to confute Marxian doctrine by proving that

the return to capital and the return to labour are both regulated by the same laws of utility and justice.

- MOURRE, B. *Le cause des variations du taux de l'intérêt*. 1924. REP 38, pp. 45-64.

A mathematical treatment of the determination of the rate of interest. The factors stressed are scarcity of circulating capital, saturation of needs, the comparative productivity of new enterprises, saving, borrowing, risk, and gold-production.

- OSWALT, H. *Zur Zinstheorie*. 1907. SchmJb N.F. 31, pp. 1281-8.

The first part of a controversy with Bortkiewicz, whose reply follows, centring round the adequacy of BÖHM-BAWERK's theory.

- RICCI, U. *La Teoria dell' Astinenza*. 1908. GE 37, pp. 295-310 and 511-36.

The first part deals critically with the abstinence theories of Cairnes, Senior, and others; the second is an unfinished positive study.

- SCHUMPETER, J. *Das Wesen und der Hauptinhalt der theoretischen Nationalökonomie*. 1908. pp. xxxii + 626.

Contains the germs of the theory later developed in the author's *Theorie der wirtschaftlichen Entwicklung*, 1912, which see. See also *Eine "dynamische" Theorie des Kapitalzinses*, 1913, ZV 22, pp. 599-639, for a reply to a criticism by BÖHM-BAWERK in the same volume.

- SEAGER, H. R. *The Impatience Theory of Interest*. 1912. AER 2, pp. 334-51.

A criticism of FISHER's theory as represented in his *Elementary Principles*. See FISHER's reply in AER 3, p. 610, and Seager's further note in AER 3, p. 618.

- VECCHIO, G. DEL. *Lineamenti generali della teoria dell' interesse*. 1915. GE 51, pp. 273-327 and 367-408.

Consists of a comparative survey, and a positive statement which stresses psychological factors.

- WEBB, S. *The Rate of Interest and the Laws of Distribution*. 1888. QJE 2, pp. 188-208.

This, with a further article on *The Rate of Interest*, 1888, QJE 2, pp. 469-72, forms a criticism of Walker's theory of distribution, paying special attention to interest.

PROFITS

Profit theories may seek to explain either the nature of profits or the determination of profits. The excellent Austrian and German works on the subject have concerned themselves chiefly with the former problem; the latter is dealt with in most

writings on FUNCTIONAL DISTRIBUTION and in a few of the writings referred to below. The section on RISK should also be referred to.

J. Pierstorff, in *Die Lehre vom Unternehmergeinn*, 1875, pp. v + 231, gives a good critical and historical account of earlier theories. The best up-to-date account is given by KNIGHT.

CHAPMAN, S. J. *The Remuneration of Employers*. 1906. EJ 16, pp. 523-8.

A short study, stressing the slowness of action of the determinants of profits, and the modifications of the marginal theory which this necessitates.

CLARK, JOHN BATES. *Profits under Modern Conditions*. 1887. PSQ 2, pp. 603-19.

"What is not realised in the prevalent theories is that the entrepreneur as such is a composite person." See also *Insurance and Business Profit*, 1892, QJE 7, pp. 40-54, for a distinction between the reward of risk-bearing and profits, in opposition to HAWLEY'S views. For a criticism of Clark's theory of distribution with special reference to profits, see M. Bellom on *La théorie de la productivité finale et le profit*, 1915, JE Ser. vi, 48, pp. 199-205.

DOBB, M. H. *Capitalist Enterprise and Social Progress*. 1925. pp. x + 409.

The author considers a theory of enterprise to be the necessary "point d'appui of any consistent survey of Applied Economics". The book, which is divided into sections on analysis, history, and application, is important, but not as free from the effects of that "prejudice and proofless hypothesis" which the author deplores as he has obviously tried to make it.

ENGLÄNDER, O. *Unternehmergeinn*. 1928. HdS, 4th Edn., vol. 8, pp. 488-98.

Aims to arrive at a formula by building up a theory from the simplest cases.

HAWLEY, F. B. *The Risk Theory of Profit*. 1893. QJE 7, pp. 459-79.

A vindication of the view that risk-taking is "one of the four fundamental divisions of the productive forces" and that profit is its reward. *Enterprise and Profit*, 1900, QJE 15, pp. 75-105, is a further attempt to solve the problem by removing misunderstandings concerning the relations between speculation, insurance, and enterprise. This was criticized by T. N. Carver in *The Risk Theory of Profits*, 1901, QJE 15, pp. 456-8, and defended in Hawley's *Reply to Final Objections to the Risk Theory of Profits*, 1901, QJE 15, pp. 603-20.

KLEENE, G. A. *The Income of Capital*. 1912. QJE 26, pp. 313-40.

Regarding the purely psychological explanations of profit and interest as inadequate, the author explains his own "residual-claimant" theory.

- KNIGHT, F. H. *Risk, Uncertainty, and Profit*. 1921. pp. xiv + 381.

A book of the greatest importance. The style is clear, but the argument is not a simple one, and the reader must be prepared to do some hard thinking, for which he will be amply rewarded. There are footnotes to the early chapters, giving references to many valuable sources.

- KOTANY, L. *A Theory of Profit and Interest*. 1922. QJE 36, pp. 413-53.

Argues that "profit emerges out of differences in capitals, due to the law of increasing returns"; and that it is *not* due to capital as such, the productivity of capital, abstinence, waiting, time-preference, differential ability, exploitation, or private property.

- LANDRY, A. *Le Problème du Profit*. 1908. REP 22, pp. 241-62.

Defines "profits" and the nature of the problem to be dealt with, discusses various theories, and concludes with a short discussion of the importance of profits and the question as to whether or not they "enter into price".

- LEHFELDT, R. A. *Analysis of Profit*. 1925. JPE 33, pp. 278-92.

There is very little original matter in this article, but it provides a very convenient and clear summary of the more orthodox doctrines of the nature and determination of profits.

- LORIA, A. *Analisi della proprietà capitalistica*. Vol. 1. 1889. pp. xviii + 777.

Contains an exposition of Loria's "landed theory of profit", in which the payment of profits is explained by the absence of free land. This idea is developed in *La Proprietà Fondiaria e la Questione Sociale*, 1897, pp. 321, and expressed in English in *The Landed Theory of Profit*, 1891, QJE 6, pp. 108-11. The theory is criticized by C. A. Conigliani in *Professor Loria's Theory of Profit*, 1892, QJE 6, pp. 344-6; and by G. Valenti in *La Terra Libera e la Generazione del Profitto*, 1899, GE 19, pp. 405-26 and 503-37.

- MARSHALL, A. *Wages and Profits*. 1888. QJE 2, pp. 218-23.

A reply to some criticisms of the profit-theory advanced in *The Economics of Industry*, for which see note under SYSTEMATIC TREATISES.

- MATAJA, V. *Der Unternehmengewinn*. 1884. pp. 215.

Contains a criticism of "capital", "labour", and eclectic theories, and a discussion of the nature, origin, and function of profits.

- STRELLER, R. *Zur Lehre vom Unternehmergewinn*. 1926. SchmJb 50, pp. 161-81.

The first part of this article is a survey of profit-theories, which are divided into seven groups. The second part contains a statement of the author's own theory, which stresses the residual aspect.

- WALKER, F. A. *The Source of Business Profits*. 1887. QJE 1, pp. 265-88.

This is a lucid exposition of the writer's doctrine that "rent of ability" is the source of business profits. See also the defence of this doctrine in *A Reply to Mr. Macvane: on the Source of Business Profits*, 1888, QJE 2, pp. 263-96.

- ZUNS, J. *Zwei Fragen des Unternehmereinkommens*. [1881.] 2nd 1886. pp. viii + 145.

A useful critical study of profit-theories.

RENT

In recent years, economists have not been specially interested in "the return to land" and it would seem, either that the term "rent" is destined to disappear from the chapter-headings of our text-books, or that a "new concept", such as that spoken of by FETTER, and by Cannan in a brief reference in his *History of the Theories of Production and Distribution*, 3rd 1917, pp. 399-400, will absorb all that was good and distinctive in the old theory, applying it in a rather different sphere. Much of the old rent theory is now embodied in theories of wages, interest, and profits. Some discussions of the "rent-principle" in this sense will be found listed under FUNCTIONAL DISTRIBUTION.

- DIEHL, K. *Die Grundrententheorie im ökonomischen System von Karl Marx*. 1899. CJb 72, pp. 433-80.

A systematic exposition and criticism of the Marxian concepts of differential and absolute ground-rent. See also the important similar treatment of the Ricardian theory in the author's *Sozialwissenschaftliche Erläuterungen zu David Ricardos Grundgesetzen der Volkswirtschaft und Besteuerung*, 1905, pp. xiii + 427.

- FETTER, F. A. *The Passing of the Old Rent Concept*. 1901. QJE 15, pp. 41-55.

An analysis of five concepts involved in contemporary discussion of rent—the "land", "extension", "time", "exchanger's surplus", and "no-cost" concepts. See also the following articles by the same writer: *The Next Decade of Economic Theory*, 1900, Pub. Am. Econ. Ass., 3rd Ser., 2, i, pp. 236-46; *Recent Discussions of the Capital Concept*,

- 1900, QJE 15, pp. 1-45; *The Roundabout Process*, 1902, QJE 17, pp. 163-80.
- GRAY, L. C. *Rent under the Assumption of Exhaustibility*. 1914. QJE 28, pp. 466-89.
One of the few studies which deal with the application of the theory of rent to mines, forests, and other exhaustible natural agents.
- HOLLANDER, J. H. *The Concept of Marginal Rent*. 1895. QJE 9, pp. 174-87.
Objects to the distinction between marginal and differential rent. Has some useful footnotes.
- JOHNSON, A. S. *Rent in Modern Economic Theory*. 1902. Pub. Am. Econ. Ass. 3, iv, pp. 128.
An attempt to deal with the problems of rent satisfactorily "by placing the points at issue" in juxtaposition, and by paying due regard both to self-consistency and to relevancy to theoretical needs."
- LORIA, A. *La Sintesi Economica*. 1909. pp. viii + 465.
See note under PERSONAL DISTRIBUTION.
- MACFARLANE, C. W. *Rent and Profit*. 1894. AAA 5, pp. 90-103.
An objection to the "varied and conflicting duties" that modern theory has imposed on the word rent. Especially an attempt to distinguish between the different sorts of surplus that it has been made to describe.
- MARSHALL, A. *On Rent*. 1893. EJ 3, pp. 74-90.
An attempt to prove that Ricardo's tenets are vindicated by "the chief results of modern analysis". For Marshall's views on "Quasi-Rent", see his *Principles*, passim.
- OPPENHEIMER, F. *David Ricardos Grundrententheorie*. [1909.] 2nd 1927. pp. xv + 255.
Part I, comparative; Part II, critical.
- TAYLOR, H. C. *The Differential Rent of Farm Land*. 1903. QJE 17, pp. 598-613.
Discusses disturbing factors which render it impossible to measure differential rent in terms of differences in productivity.
- WIESER, F. VON. *Die Theorie der städtischen Grundrente, in W. Mildschuh: Mietzinse und Bodenwerte in Prag*. 1909. pp. v-xl.
This introduction to a work by one of his pupils makes an excellent summary of Wieser's teaching. The book forms a historical test of the theory outlined in the introduction.

PERSONAL DISTRIBUTION

The best work on personal distribution has been done by a very small number of economists; and even some of these seem to have dealt with the subject unintentionally. This lack of good material is probably due to the comparative newness of the study.

Reference should be made to the brief notes at the head of the section on FUNCTIONAL DISTRIBUTION.

CANNAN, E. *The Division of Income*. 1905. QJE 19, pp. 341-69.

This pioneer article claims that a theory of distribution should deal, not with general wages, the rate of interest, and the level of rent, but with the question "why inside each community some individuals and families are above and others below the average in wealth". The implications of this suggestion are worked out in the author's *Wealth* [1914], 3rd 1928, pp. xxvii + 292, in which incomes are divided into incomes from labour and incomes from property. Reference should also be made to the author's *History of the Theories of Production and Distribution, 1776-1848, [1893]*, 3rd 1924, pp. 422.

CARVER, T. N. *The Meaning of Economic Equality*. 1925. QJE 39, pp. 473-5.

A most suggestive note, containing a classification of possible meanings of the phrase "economic equality".

CLAY, H. *Property and Inheritance*. 1923. pp. 30.

This booklet was issued under the auspices of the Council of the Liberal Summer Schools. For an estimate of the effect of increased government regulation of wages, expenditure on social services, and taxation, see the author's article on *The Authoritarian Element in Distribution*, 1927, EJ 37, pp. 1-18.

COMMONS, J. R. *The Distribution of Wealth*. 1893. pp. x + 258.

Deals with Land, Capital, and Personal Abilities, Privileges, and Rights, as factors in distribution, and with the part played by the theory of diminishing returns in the theory of distribution. Contains short bibliographical notes.

DALTON, H. *The Inequality of Incomes*. [1920.] 2nd Impression 1925. pp. xii + 360 + 16.

Part I deals with Ethical Aspects, Part II with the Historical Development of Distribution Theory, Part III with the

Division of Income between Categories, and Part IV with the Division of Income between Persons. Parts III and IV are the most significant, both for their implied criticism of orthodox distribution theory and for their examination and classification of sources of income along the lines suggested by CANNAN. The second impression contains a useful mathematical appendix on the measurement of inequality.

ELLY, R. T. *Property and Contract in their Relations to the Distribution of Wealth*. 1914. 2 vols.

Argues that the subject of distribution includes personal distribution as well as "imputation", and examines the influences exerted upon both of these branches of theory by the "socio-economic fundamentals", property and contract. A bibliography is appended.

FISHER, I. *Elementary Principles of Economics*. 1912. pp. 410-94.

Chapters 23-25 deal with Income from Capital, Income from Labour, and Wealth and Poverty, from the functional and personal points of view.

GEORGE, H. *Progress and Poverty*. [1879.] 1890. pp. x + 406. Traces many distributional evils to the private ownership of land.

GRAZIANI, A. *Teorie e Fatti Economici*. 1912. pp. 67-114.

This lecture on "Il fondamento economico del diritto", which was delivered in 1893, contains an interesting study of the influence of inheritance on distribution.

LANDRY, A. *L'Utilité Sociale de la Propriété Individuelle*. 1901. pp. xii + 511.

Part II, "De la Distribution des Richesses," pp. 307-409, discusses the effects of inequality on total welfare, and possible institutional methods of decreasing inequality.

LEROY-BEAULIEU, P. *Essai sur la Répartition des Richesses*. [1880.] 4th 1896. pp. xvi + 630.

Argues that inequality and poverty are both diminishing in modern states. This is one of the earliest attempts to deal with personal distribution, but it follows the old method of approach through the theory of "imputation".

LORIA, A. *La Sintesi Economica*. 1909. pp. viii + 465.

An attempt to discover the universal laws of income from a synthesis arrived at by historical comparison. Translated and slightly abridged by E. Paul and published in 1914 as *The Economic Synthesis*.

MCGOWN, A. F. *Inequality and Accumulation*. 1924. JPE 32, pp. 648-64.

Deals with the concept of equality, causes of inequality, and the effect of inequality on saving.

PANTALEONI, M. *An Attempt to Analyse the Concepts of "Strong" and "Weak" in their Economic Connection.* 1898. EJ 8, pp. 184-205.

Section I asserts that a study of distribution must take account of inheritance, property, transfer, status, war, taxation, theft, and cheating.

PARETO, V. *Cours d'Économie Politique.* 1896-7. 2 vols.

Noteworthy for its formulation of "Pareto's law", which states that the amount of inequality of incomes conforms to a universal law, expressible in mathematical terms. The author's *Manuale di Economia Politica*, 1906, pp. xii + 579 (*Manuel d'Économie Politique*, 1909), restates the "Law" a little less rigidly, and without the mathematical proof, for which the reader is referred back to the *Cours*.

PERSONS, W. M. *The Variability in the Distribution of Wealth and Income.* 1909. QJE 23, pp. 416-49.

The formulae of LORENZ, PARETO, and WATKINS are criticized, and an alternative measure of concentration is suggested.

PIGOU, A. C. *The Economics of Welfare.* [1920.] 3rd 1929, pp. xxxi + 835.

Part IV, on "The Distribution of the National Dividend", attempts to discover causes "which affect in different senses the size of the national dividend as a whole and the size of that part of it which accrues to the poor". Reference should also be made to Part I, chapters 6-8.

READ, H. E. *The Abolition of Inheritance.* 1918. pp. xxvii + 312.

"This book is intended to be a logical proof of the worker's right to what he produces, and of the violation done to that right by our system of inheritances." It examines the institution of inheritance from the aspects of human rights, economic results, and social justice; discusses its relation to sentiment and expediency; and advocates taxation as a remedy. The answers to seventeen common objections form a useful epitome of the author's views on inequality of distribution.

RIGNANO, E. *Un Socialismo in Accordo colla Dottrina Economica Liberale.* 1902.

The first part of this work contains a criticism of the existing system of distribution and a programme of reform. The second part consists of three independent studies on the existing distribution of wealth, socialism, and the social conscience. A French translation was published as *Un Socialisme en Harmonie avec la Doctrine Économique Libérale*, 1904, vii + 390.

SMART, W. *The Effects of Consumption of Wealth on Distribution*. 1892. AAA 3, pp. 257-92.

Points out that there are difficulties in the way of obtaining a better distribution of wealth by creating a closer connection between wages and value of product, but considers that the "socialising of consumption" would be beneficial.

STAMP, J. *Inheritance as an Economic Factor*. 1926. EJ 36, pp. 339-74.

This British Association address attempted to provide a non-partisan account of the influences of inheritance on inequality of distribution. Some interesting conclusions on the history of inequality are arrived at. See also the supplementary article by WEDGWOOD.

TAUSSIG, F. W. *Principles of Economics*. [1911.] 3rd 1921. 2 vols.

Chapter 51 (Bk. II, pp. 199-207, "Great Fortunes"), and ch. 55 (Bk. II, pp. 253-77, "Inequality and its Causes"), form a good brief survey of the economics of distributional inequality.

WAGNER, A. *Grundlegung der politischen Oekonomie*. [1876.] 3rd 1892-4. 2 half-vols.

The second half-volume contains a remarkably complete analysis of the institutional basis of society and its effects on economic phenomena, especially the phenomena of distribution. Useful—but now out-of-date—bibliographies are appended.

WATKINS, G. P. *The Growth of Large Fortunes*. 1908. Am. Econ. Ass. Pub. Series III, vol. 8, No. 4, pp. iv + 170.

"A study of economic causes affecting the acquisition and distribution of property" with a six-page list of authorities cited.

WEDGWOOD, J. *The Influence of Inheritance on the Distribution of Wealth*. 1928. EJ 38, pp. 38-55.

A useful supplement to Sir Josiah STAMP's article, discussing effects on distribution only, and in particular effects on distribution of property.

YOUNG, A. A. *The Statistics of the Concentration of Wealth*. 1917. AER Supp. 7, pp. 144-56.

This paper deals chiefly with causes and measures of inequality and the relationship between inequality and concentration. It was reprinted in an abbreviated form in the writer's *Economic Problems New and Old*, 1927.

FLUCTUATION

This subject was first studied as a branch of the theory of production, interest in it having been stimulated by a series of financial and industrial crises. Literally hundreds of uncoordinated, and even contradictory, explanations have been put forward to account for the phenomena of various sorts of crises, and unanimity of doctrine in this branch of economics is still very far from being achieved, in spite of the good offices of such comprehensive thinkers as PIGOU and MITCHELL.

Modern theorists regard the crisis as merely one manifestation of the constant fluctuation of all economic activities, and thus the subject has tended to become much wider in scope than it was originally. Sometimes the study of Fluctuation is made a division of economics equal in importance to Production or Distribution; sometimes the whole field of economic science is divided into two parts—static economics and dynamic economics. For examples of the latter type of treatment, reference should be made especially to works in the sections on SYSTEMATIC TREATISES and SCOPE AND METHOD by J. B. Clark and J. SCHUMPETER.

ADAMS, A. B. *Economics of Business Cycles*. 1925. pp. xvi + 268.

Deals with cycles analytically and descriptively, classifies theories, and discusses the problem of control. Contains a short bibliography. For a further descriptive and statistical study, see *Profits, Progress, and Prosperity*, 1927, pp. ix + 178.

AFTALION, A. *Les crises périodiques de surproduction*. 1913. 2 vols.

In vol. 1, pp. xii + 324, discusses oscillations in prices, incomes, and production, and examines various types of explanation; in vol. 2, p. 418, puts forward a positive theory. For a good statement of the positive theory and reply to objections, see the author's articles on *La réalité des surproductions générales*, 1908-10, REP 23, pp. 81-117, 201-29, and 241-59, and 24, pp. 282-302.

BAGEHOT, W. *Lombard Street*. [1873.] 12th 1915. pp. 118-52. Chapter 6, which is identical in all editions, explains "Why Lombard Street is often very dull, and sometimes extremely excited".

BELLERBY, J. R. *Monetary Stability*. 1925. pp. xvi + 174.

Discusses the effect of a stable price level on consumption, social relations, international considerations, etc. The author's article on *The Controlling Factor in Trade Cycles*,

1923, EJ 33, pp. 305-31, is an excellent summary account of the financial features and remedies of the trade cycle. The effect of financial remedies is discussed in his *Control of Credit as a Remedy for Unemployment*, 1923, pp. 120, published by the International Association on Unemployment.

BELLET, D. *Crises économiques, crises commerciales, crises de guerre*. 1918. pp. iii + 260.

Notable for the chapter on "la crise résultant d'une guerre moderne". See also the author on *Le chômage et son remède*, 1912, pp. viii + 282, which discusses the characteristics, effects, and causes, of unemployment, and remedies which have been proposed and practised in various countries.

BEVERIDGE, W. H. *Unemployment*. [1909.] 3rd 1912. pp. xvi + 405.

Attempts "to combine a record of the principal facts of unemployment with a continuous argument as to the causes of unemployment". Deals with the nature of the problem, sources of information, seasonal and cyclical fluctuation, industrial and personal factors, past remedies, and future policy. Much important information is to be found in the appendices. See also the articles on *British Exports and the Barometer*, 1920, EJ 30, pp. 13-25, and 209-13, which suggests a connection between the business cycle and climatic cycles with a periodicity of 15½ years. Further statistical data in support of this suggestion may be found in *Weather and Harvest Cycles*, 1921, EJ 31, pp. 429-52. A paper on *Wheat Prices and Rainfall in Western Europe*, reported in JRSS. 85, pp. 412-59, 1922, brings forward much statistical matter intended to show that "somewhere or other in the solar system there are periodic movements affecting our weather and crops, ten or twenty or more in number, far more regular than had ever been believed", although the present impossibility of indicating these causes, or predicting their future influence, is expressly asserted. Notes on a discussion which followed, and further statistics, occupy pp. 460-78. For a criticism of Beveridge's theory by a meteorologist, see W. W. Bryant, on *The Weather and Cyclical Fluctuations*, 1921, EJ 31, pp. 46-9.

BICKERDIKE, C. F. *A Non-Monetary Cause of Fluctuations in Employment*. 1914. EJ 24, pp. 357-70.

An expansion of the suggestion made by Pigou in *Wealth and Welfare*, 1912, concerning the influence of durability on fluctuation. See also the writer's article on *Individual and Social Interests in Relation to Saving*, 1924, EJ 34, pp. 408-22, which argues a connection between oscillation of trade activity and the amount of savings and creation of bank credit.

BIRCK, L. V. *Theories of Over-Production*. 1927. EJ 37, pp. 19-32.

Argues that "in our highly complicated dynamic society . . . a relative but still general over-production may be possible."

BOUNIATIAN, M. *Les crises économiques*. 1922. pp. xvii + 388.

Translated, from the 1915 Russian edition, by J. Bernard. Pt. I: Description of the various forms of economic crisis. Pt. II: Causation. Pt. III: Overcapitalisation—causes and consequences. The author's *Studien zur Theorie und Geschichte der Wirtschaftskrisen, I: Wirtschaftskrisen und Ueberkapitalisation*, 1908, pp. vii + 188, presents an earlier version of the theory. For a reply to AFTALION'S review of the French work in REP 1922, see *Ma théorie des crises et les critiques de M. Aftalion*, 1924, REP 38, pp. 656-73. See also the author on *La loi de variation de la valeur et les mouvements généraux des prix*, 1927, pp. 155.

BURTON, T. E. *Financial Crises and Periods of Industrial and Commercial Depression*, 1902. pp. ix + 392.

Descriptive and theoretical, with a selection of quotations on causation, a statistical appendix, and a bibliography of books and articles, which is, of course, not now up-to-date.

CARVER, T. N. *A Suggestion for a Theory of Industrial Depression*. 1903. QJE 17, pp. 497-500.

This little note suggests that a theory must be sought in the laws of value which govern investment in producers' goods.

CASSEL, G. *Theoretische Sozialökonomie*. [1918.] 3rd 1923 pp. 477-582.

Book IV, on the "Theorie der Konjunkturbewegungen", deals in general with the effects of cycles, but the last chapter is devoted to an explanation by the "principle of action and reaction", of which movements in the rate of interest are an important manifestation. In the English translation (see note under SYSTEMATIC TREATISES), "Konjunkturbewegung" has been ridiculously rendered "Conjuncture Movement" and even, by a misprint, "Conjecture Movement."

CHAPMAN, S. J. and H. M. HALLSWORTH. *Unemployment*. 1909. pp. xiii + 164.

"The results of an investigation made in Lancashire." Deals with problems of seasonal and cyclical unemployment and discusses such remedies as public provision of work and the use of labour exchanges.

CLARK, JOHN MAURICE. *Business Acceleration and the Law of Demand*. 1917. JPE 25, pp. 217-35.

This is not an attempt to formulate an independent theory of crises, but a suggestion that "the purely technical side of this phenomenon is of prime importance".

- CROCKER, U. H. *General Overproduction*. 1887. QJE 1, pp. 362-6.

An interesting note on over-saving, followed by an answer by S. M. Macvane. A further article, on *The "Overproduction" Fallacy*, criticizes Mill and some more recent writers, arguing that new views on the subject of overproduction must lead to new views on the whole of economic science. See also the reply by T. B. VEBLEN, entitled "*The Overproduction Fallacy*", 1892, QJE 6, pp. 484-92.

- DAVENPORT, H. J. *The Working of Restricted Credit*. 1908. JPE 16, pp. 26-30.

Finds a connection between credit restriction and industrial depression in the credit relations of consumers, producers, and middlemen.

- DIETZEL, H. *Ernten (Erntezyklus und Wirtschaftszyklus)* in HdS. Vol. 3. 3rd 1909.

A discussion of the relative importance of natural and institutional factors in the causation of the cycle.

- EDIE, L. D. (Editor). *The Stabilization of Business*. 1923. pp. xii + 400.

Contains "The Problem of Controlling Business Cycles", by W. C. MITCHELL; "Stabilizing the Dollar," by I. FISHER; "Transportation and the Business Cycle," by F. H. Dixon; "Unemployment—Prevention and Insurance," by J. R. Commons; "Coördination of Production and Marketing," by L. D. Edie; "International Problems in Business Stabilization," by E. R. A. Seligman; "Public Works as an Agency of Control," by J. B. Andrews; "Psychological Factors in Stabilization," by W. D. Scott; and "Applied Technique of Stabilization," by H. S. Dennison.

- ENGLAND, M. T. *Economic Crises*. 1913. JPE 21, pp. 345-54.

Stresses promotion as a factor. *An Analysis of the Crisis Cycle*, 1913, JPE 21, pp. 712-34, is a statistical continuation, concluding that "it may be said that both inductive and deductive methods strengthen the theory that the primary movements of a crisis cycle around which other phenomena may be grouped are: increased promotion activity, expansion of credit, rise of prices; decreased activity in promotion, contraction of credit, fall of prices". *Promotion as the Cause of Crises*, 1915, QJE 29, pp. 748-67, maintains that "crises are the price of progress", industry being normally unstable and crises the inevitable result of disturbances associated with the investment of social savings. See also FISHER and HAWTREY.

- FISHER, I. *The Purchasing Power of Money*. 1911. pp. xxii + 505.

Finds the chief explanation in monetary variations. See

- especially chs. 4, 11, and 13. For an adverse criticism, see M. T. ENGLAND on *Fisher's Theory of Crises: A Criticism*, 1912, QJE 27, pp. 95-106. For an unrepentant further statement by Fisher, see *The Business Cycle largely a "Dance of the Dollar"*, 1923, JASA 18, pp. 1024-8, and *Our Unstable Dollar and the So-called Business Cycle*, 1925, JASA 20, pp. 179-202.
- FRANK, L. K. *A Theory of Business Cycles*. 1923. QJE 37, pp. 625-42.
Finds an explanation in the institutions of the money economy "all loaded, so to speak, on the industrial process". For an attempt at a realistic supplement, see T. W. Mitchell on *Competitive Illusion as a Cause of Business Cycles*, 1924, QJE 38, pp. 631-52.
- HANSEN, A. H. *Business-Cycle Theory*. 1927. pp. x + 218.
An attempted synthesis of "the views of those writers who have made, as I see it, important contributions to the theory of the business cycle". A useful comparative study, dealing rather with *theories* than with *authors*.
- HASTINGS, H. B. *Costs and Profits: their relation to Business Cycles*. 1923. pp. xi + 168.
An attempt to elaborate the suggestion made by Catchings that one of the most important causes of crises is general overproduction at a given level of prices.
- HAWTREY, R. G. *Good and Bad Trade*. 1913. pp. viii + 279.
"An inquiry into the causes of trade fluctuations," providing important descriptive and theoretical material. For good criticisms, see M. T. ENGLAND's review, 1914, AER 4, pp. 900-3, and A. C. PIGOU's review, 1913, EJ 23, pp. 580-3. See also the author's *Currency and Credit* [1919], 3rd 1923, pp. 156-91, for a discussion of "Financial Crises" and a suggested remedy; *The Monetary Theory of the Trade Cycle and its Statistical Test*, 1927, QJE 41, pp. 471-86; and *Public Expenditure and the Demand for Labour*, 1925, Ec 5, pp. 38-48.
- HEINRICH, W. *Grundlagen einer universalistischen Krisenlehre*. 1928. pp. xii + 364.
Contains a good classification of theories and an examination of the nature of cycles.
- HERKNER, H. *Krisen*. 1910. HdS, 3rd Edn. Vol. 6.
A comparative, positive, and historical study, replaced by an article by SPIETHOFF in 4th Edn.
- HEXTER, M. B. *Social Consequences of Business Cycles*. 1925. pp. xxiii + 206.
Suggests that business enterprise is affected by psychological changes which depend on changes in vital phenomena. See also THOMAS.

HOBSON, J. A. *Economics of Unemployment*. 1922. pp. 157.

Contains the handiest statement of the author's views of the influence of saving on "trade fluctuations". For earlier statements, see the author's works on *The Problem of the Unemployed*, 1896, pp. xvi + 163, and *The Industrial System*, 1909, pp. xx + 328. For an able criticism of Hobson's views, see W. T. Foster and W. Catchings on *Money* [1923], 2nd 1924, pp. 332-50.

INTERNATIONAL LABOUR OFFICE. *Unemployment in its National and International Aspects*. 1924. pp. 227.

The report of a conference held in London with addresses on "International Trade and Unemployment", "Financial Factors", "Work for the Unemployed", "Unemployment Insurance", "Hours and Wages", and "Migration". The speakers included BEVERIDGE, BELLERBY and KEYNES. A list of publications of the I.L.O. relating to unemployment is appended. See also, *Remedies for Unemployment*, 1922, pp. 141, for a discussion of unemployment benefits, the distribution of available employments, and the possibilities of extending opportunities for employment. The I.L.O. also published a *Bibliography of Unemployment*, 1920, pp. 155, as Studies and Reports, Series C, No. 12, which covers the period 1914-20. Studies and Reports, Series N, No. 5, entitled *Economic Barometers*, 1924, pp. 56, is a report submitted to the economic committee of the League of Nations, discussing the theoretical basis and statistical methods of economic barometers.

JEVONS, W. S. *Investigations in Currency and Finance*. [1884.] 2nd 1909. pp. viii + 347.

The first edition includes the author's important British Association address delivered in 1878 on *The Periodicity of Commercial Crises and its Physical Explanation*, with a postscript dated 1882. The 2nd edition contains, in addition: *On the Study of Periodic Commercial Fluctuations*, Brit. Ass., 1862, *The Solar Period and the Price of Corn*, Brit. Ass. 1875, and *Commercial Crises and Sunspots*, from Nature, 14th November, 1878. All of these articles are very important as indicating the development of the author's "sunspot theory". The Times newspaper criticized the theory in a leading article entitled *Commercial Crises and Sunspots*, 14th January, 1879, and Jevons replied with a letter under the same title in the issue of 17th January, 1879. The author's son, H. S. Jevons, expounded the theory excellently in an article on *The Causes of Unemployment: III, Trade Fluctuations and Solar Activity*, 1909, Contemporary Review 96, pp. 165-89.

JONES, E. D. *Economic Crises*. 1900. pp. 251.

One of the best earlier works on the theory of the subject, containing a classified bibliography.

- JUGLAR, C. *Des Crises Commerciales*. [1862.] 2nd 1889. pp. xx + 560.

The two editions are really two quite dissimilar books. The first is mainly historical and descriptive, and the second (which is more than twice as large) contains a greatly expanded theoretical part.

- KONDRATIEFF, N. D. *The Static and the Dynamic Views of Economics*. 1925. QJE 39, pp. 575-83.

Interesting for its discussion of dynamic processes.

- KUZNETS, S. S. *Cyclical Fluctuations*. 1926. pp. xx + 201.

A descriptive study of retail and wholesale trade in the United States in 1919-25, with a series of theoretical conclusions.

- LAVINGTON, F. *The Trade Cycle*. 1922. pp. 113.

Discusses causation, placing chief emphasis on psychological factors. For a sceptical criticism, see Cannan's review of the book, printed in 1922, EJ 32, pp. 355-9, and reprinted in *An Economist's Protest*, 1927, pp. 315-20. For a discussion of the extent to which a disinterested monopolist could increase the stability of business, see Lavington on *Monopoly and Business Stability*, 1926, Ec 6, pp. 135-47.

- LAYTON, W. T. (Editor) and OTHERS. *The Third Winter of Unemployment*. 1922. pp. viii + 350.

This mine of information contains a summary of the results of an inquiry into unemployment problems undertaken in 1922 by J. J. Astor, A. L. Bowley, H. Clay, R. Grant, W. T. Layton, P. J. Pybus, B. S. Rowntree, G. Schuster, and F. D. Stuart. It deals with the cost of unemployment, its effects and provisions for relief, and contains nine local reports and some statistical appendices. See also *Is Unemployment Inevitable? An Analysis and a Forecast*, 1924, pp. viii + 388, by the same editor. The most important parts of this important book are :—I, "Survey and Forecast," in which the conclusion is arrived at "that there is no single explanation" of the problem, and II, a series of theoretical contributions by PIGOU, CASSEL, BONN, HOBSON, and J. H. JONES. Parts III and IV are collections of useful facts.

- LEAGUE OF NATIONS. *Report on Unemployment*. 1919. pp. 150.

Deals with the causes and results of unemployment, the prevention of it, and provision against it. The report was prepared from answers to questionnaires submitted to various governments and officials.

- LESCURE, J. *Des crises générales et périodiques de surproduction*. [1905.] 3rd 1923. pp. 484.

A clear and logical discussion of the phenomenon, its causes, and its remedies.

- LEXIS, W. *Allgemeine Volkswirtschaftslehre*. 1910. pp. 259.
Stresses the importance of over-production. See especially sections xiv-xvii. See also the author's article on "Ueberproduktion" in HdS 3rd Edn. 1911, vol. 8.
- LÖWE, A. *Wie ist Konjunkturtheorie überhaupt möglich?* 1926. Weltw. Arch. 24, pp. 165-97.
Discusses the theory of crises in general and in particular and points out the relationship between the study of the cycle and the study of dynamic economics.
- MARSHALL, A. *Money, Credit and Commerce*. 1923. pp. 234-63.
Book IV, on "Fluctuations of Industry, Trade, and Credit", stresses the influence of the money market, and suggests that the effects of fashion and ignorance are partly remediable.
- MAY, R. E. *Das Grundgesetz der Wirtschaftskrisen*. 1902. pp. 146.
Finds the explanation of crises in the simultaneous increase of prices and of production.
- MILLS, F. C. *An Hypothesis concerning the duration of Business Cycles*. 1926. Jnl. Am. Stat. Ass. 21, pp. 447-57.
Attempts to prove statistically that the length of the business cycle is a function of the stage of industrial development reached in the given society.
- MITCHELL, W. C. *Business Cycles: The Problem and its Setting*. 1927. pp. xxii + 489.
One of the most important modern works on the subject. Much more than a new edition of the 1913 work by the same author, although leading to very similar conclusions. Based upon material supplied by the National Bureau of Economic Research. Many tables and diagrams.
- MOMBERT, P. *Einführung in das Studium der Konjunktur*. [1921.] 2nd 1925. pp. ii + 275.
This book deals specially with German theory and German conditions.
- MOORE, H. L. *Economic Cycles: their law of causes*. 1914. pp. viii + 149.
Traces the relations between the economic cycle and harvest-yields. The case for the dependence of economic fluctuations upon meteorological phenomena is argued more definitely in the author's *Generating Economic Cycles*, 1923, pp. xi + 141, and in the following articles: *Generating Cycles of Products and Prices*, 1921, QJE 35, pp. 215-39; *Generating Cycles reflected in a Century of Prices*, 1921, QJE 35, pp. 503-26; *The Origin of the Eight-year Generating Cycle*, 1921, QJE 36, pp. 1-29; *Pantaleoni's Problem in the Oscillation of Prices*, 1926, QJE 40, pp. 586-96; and *A Theory of Economic Oscillations*, 1926, QJE 41, pp. 1-29.

OLDENBERG, K. *Zur Theorie der Volkswirtschaftlichen Krisen.* 1903. SchmJb N.S. 27, pp. 831-62.

Prefers to regard the question as one of under-consumption rather than of over-production.

PERSONS, W. M. *Theories of Business Fluctuations.* 1926. QJE 41, pp. 94-128.

A classification of theories with illustrative quotations. A critical examination of these theories is promised for a later article. See also *Problems of Business Forecasting*, 1924, pp. xiii + 317, edited by the writer in conjunction with W. T. Foster and A. J. Hettinger. This book contains useful papers by C. O. Hardy, I. FISHER, W. I. King, W. M. Persons, D. Friday, and others.

PIGOU, A. C. *Industrial Fluctuations.* [1927.] 2nd 1929. pp. 425.

The best and most exhaustive English work on the subject. Part I suggests a host of causes and Part II a corresponding number of remedies. There are many statistical tables and charts. For an earlier statement, see the author's *Unemployment*, 1913, pp. 253, ch. 4 of his *Essays in Applied Economics*, 1923, pp. 34-40, and his article on *Wage Policy and Unemployment*, 1927, EJ 37, pp. 355-68, the argument of which was carefully scrutinized by H. Clay in *Unemployment and Wage Rates*, 1928, EJ 38, pp. 1-15.

ROBERTSON, D. H. *A Study of Industrial Fluctuation.* 1915. pp. xiii + 285.

A study of fluctuation in individual trades and in industry as a whole, based on industrial history since 1870. Different remedies, connected with the business and monetary worlds, are dealt with. See also the author's *Banking Policy and the Price Level*, 1926, pp. 103, which attaches more than usual importance to "real", as opposed to monetary or psychological causes, and concludes that bankers or business magnates, "to act beneficially at every stage of the trade cycle . . . would have to become infinitely wise as well as infinitely virtuous."

ROWNTREE, B. S. and B. LASKER. *Unemployment: A Social Study.* 1911. pp. xvii + 317.

"Gives an account of a detailed investigation of unemployment in York, together with suggestions for remedying the evils which it disclosed." A unique study, containing material not accessible elsewhere.

SCHUMPETER, J. *Über das Wesen der Wirtschaftskrisen.* 1910. ZS 19, pp. 271-325.

A fundamental study of the nature and causes of economic fluctuation. See also the author's *Theorie der wirtschaftlichen Entwicklung*, [1912.] 2nd 1926, pp. xiv + 369, and his articles entitled *Explanation of the Business Cycle*, 1927,

Ec 7, pp. 286-311, and *The Instability of Capitalism*, 1928, EJ 38, pp. 361-86.

SMART, W. *Studies in Economics : VII, Overproduction.* 1895. pp. 189-213.

A good analysis of the phenomenon, distinguishing between absolute and relative overproduction.

SNYDER, C. *The Influence of the Interest Rate on the Business Cycle.* 1925. AER 15, pp. 684-99.

Attempts to prove by means of statistics that the interest rate does not greatly affect the cycle. For an opposing argument see Waldo F. Mitchell on *Interest Cost and the Business Cycle*, 1926, AER 16, pp. 209-21.

SPIETHOFF, A. *Die Krisenarten.* 1918. SchmJb 42, pp. 223-66.

Aims at the separate study of crises in various spheres as a preliminary to a study of their inter-relations. This article deals with "Spekulationskrisen", "Erzeugungskrisen", "Gründungskrisen", and "Kapitalkrisen", and a supplementary article deals with *Die Kreditkrise*, 1918, SchmJb 42, pp. 571-614. An earlier article on *Vorbemerkungen zu einer Theorie der Überproduktion*, 1902, SchmJb N.S. 26, pp. 721-59, contains a good analysis of overproduction theories and a clear positive statement, and the article on *Krisen* in the 4th Edn. of the HdS., 1925, vol. 6, pp. 8-91, contains enough material for a fair-sized book, and is provided with a good bibliography.

THOMAS, D. S. *Social Aspects of the Business Cycle.* 1925. pp. xiv + 217.

Attempts with the aid of statistics "to discover in what spheres of social activity the business cycle shows its influence, and to measure the relative degree of this influence in each of the fields considered". Deals with: I, "The Problem and its Setting"; II, "Critique of Previous Researches into the Social Aspects of the Business Cycle"; III-IX, Marriages, Births, Deaths, Pauperism, Alcoholism, Crime, Emigration, and the Business Cycle; X, "Summary and Conclusions"; Appendix A, on Methods; Appendix B, Tables. See also a previous essay, by W. F. Ogburn and the author, on *The Influence of the Business Cycle on Certain Social Conditions*, 1922, Jnl. Am. Stat. Ass. 18, pp. 324-40. For a similar piece of work, see M. B. HEXTER.

VEBLEN, T. *The Theory of Business Enterprise.* 1904. pp. vi + 400.

An attempt to provide "a theory of the modern economic situation . . . primarily a theory of business traffic with its motives, aims, methods, and effects." See also under U. H. CROCKER.

- VOGEL, E. H. *Die Theorie der volkswirtschaftlichen Entwicklungsprozesses und ihre Fortbildung durch eine evolutionäre Konjunkturtheorie.* 1928. CJB 128, pp. 321-87 and 481-518.

This long article discusses the development of the old Crisis-theories into the modern Cycle-theories, Part II consisting mainly of a comparative study of Cycle-theories.

- WEBB, S. (Editor). *Seasonal Trades.* 1912. pp. xi + 410.

The classic on the subject. Contains papers prepared in a seminar at the London School of Economics under the editor's direction. Bibliographies are appended.

PUBLIC FINANCE

Most general treatises on public finance follow a traditional division of the subject into Public Income (usually treated theoretically with a large emphasis on taxation), Public Expenditure (usually treated from an administrative point of view), and Public Indebtedness. The *theory* of Public Expenditure has been almost totally neglected.

The German writers have a tendency to carry this administrative treatment into their discussions of taxation as well, which are often very minute and descriptive and soon get out-of-date. Italian writings on public finance generally reflect a happy combination of the national financial and mathematical genius, especially in their method of dealing with the theory of taxation. Much of the best American and English theory concerns the "principles" and incidence of taxation. In England, a great deal of this theory has been the direct or indirect outcome of the labours of official commissions and committees, and may be found in various blue-books and in the reviews and comments on them in the economic periodicals.

One of the good results of the Great War was the flow of discussion concerning the relative merits and advantages of various forms of public income which it stimulated. Articles on this subject, which have more than a contemporary importance, may be found by reference to the files of almost any of the economic periodicals for the period 1914-20. Towards the end of that period, a similar discussion of the merits of a Capital Levy produced much good theory, and much bad theory also, on this important and hitherto much-neglected branch of public finance.

Robert JONES's *Nature and First Principle of Taxation* (in section on PUBLIC REVENUE) contains a bibliographical note which should supply any normal needs for reading if supplemented with information concerning books written since 1914. The most important bibliography of works on public finance, however, is Josef Stammhammer's *Bibliographie der Finanzwissenschaften*, 1903, pp. vi + 415. It contains more than ten thousand classified references to books and articles in most modern languages published before or during 1902. It will probably be too large and out-of-date for any except the specialist, to whom it will be invaluable.

ADAMS, H. C. *The Science of Finance*. 1898. pp. xiii + 573.

Part I, Public Expenditure, treated administratively and historically rather than economically. Part II, Public

Revenue. Of more use to American students than to English.

- BASTABLE, C. F. *Public Finance*. [1892.] 3rd 1908. pp. xxiv + 780.

Rather descriptive than analytical, especially the sections on expenditure and administration, but with some useful theoretical discussions of taxation. Many other works on public finance are referred to in the text.

- BULLOCK, C. J. *Selected Readings in Public Finance*. [1906.] 3rd 1924. pp. x + 982.

"This volume aims to bring together under one cover the collateral reading needed for a general course in public finance." The 2nd Edition 1920, is much more up-to-date than the first; the 3rd is little altered, and contains about a hundred quotations from authors and official papers both old and new.

- COHN, G. *System der Finanzwissenschaft*. 1889. pp. x + 804.

This is vol. 2 of the *System der Nationalökonomie*. The major sections deal with The Public Economy (an introductory explanation of the need for public finance), Taxation, German Tax Legislation, and Public Credit. There are several short bibliographies. A translation by T. B. Veblen, which appeared in 1895 as *The Science of Finance*, omits the section on German Legislation. See also the author's *Government and Public Finance*, 1907, EJ 17, pp. 513-23, which discusses what undertakings ought to be operated by the government, and which of them should yield an income.

- DALTON, H. *Principles of Public Finance*. [1923.] 5th 1929. pp. xv + 297.

A book of considerable originality, designed "to excite the judgment briefly, rather than to inform it tediously". Contains many suggestive criticisms of the traditional treatment, and deals with public expenditure more satisfactorily than is usual. Short bibliography. Translation, *Einführung in die Finanzwissenschaft*, by Hans Neisser, 1926.

- EHEBERG, K. T. *Finanzwissenschaft*. 7th 1903. pp. viii + 518.

Deals chiefly with public income and indebtedness. Contains many useful lists of German works on the subdivisions of public finance.

- EINAUDI, L. *Corso di Scienze delle Finanze*. [1914.] 3rd 1916. pp. xvi + 594.

Deals with the theory of taxation and gives an outline of the Italian fiscal system.

- FLORA, F. *Manuale della Scienza delle Finanze*. [1893.] 6th 1921. pp. xli + 936.

A very minute analysis of the problems of taxation and indebtedness, with an appendix on local taxation.

- FÖLDES, B. *Finanzwissenschaft*. 1920. pp. xv + 686.

The traditional treatment with a big emphasis on taxation. One of the best of the German works.

- GRAZIANI, A. *Istituzioni di Scienza delle Finanze*. [1897.] 2nd 1911. pp. xvii + 777.

One of the best of the Italian books, showing considerable originality of treatment.

- HUNTER, M. H. *Outlines of Public Finance*. 1921. pp. xviii + 533.

Primarily, "the purpose is to emphasize the practical aspects", and the theory is not original. Taxation is dealt with at greatest length.

- JÈZE, G. *Cours de Science et de Législation financière*. [1896.] 6th 1922-5. 3 vols.

This important work, by the foremost French authority on the subject, was first published under the title *Éléments de la Science des Finances et de la Législation financière française*, 1896, 1 vol., and has been gradually expanded in successive editions until it now consists of three large volumes already published and two more in active preparation. The three published volumes deal with *Théorie générale du Budget*, 1922; *Dépenses publiques*; *Théorie générale du crédit public*, 1922 (further edition in preparation, part of which has already appeared under the title *Cours de Science des Finances publiques professé à la Faculté de Droit de Paris*, 1929); and *La Technique du Crédit public*, vol I, 1925. Vols. II and III will be published shortly and will contain much matter that has already appeared in *Cours de Finances publiques professé à la Faculté de Droit de Paris*, 1925, 1926, 1927, 3 vols.; in the *Revue de Science et de Législation financières*, 1926-8; and in *La Remboursement des Emprunts publics d'État*, vol. I, 1927.

- LEROY-BEAULIEU, P. *Traite de la Science des Finances*. [1877.] 6th 1899. 2 vols.

Vol. I deals with public revenue and has a series of good chapters on different sorts of tax- and non-tax-revenue. Vol. 2 deals with the budget—mainly from the administrative point of view—and with public credit.

- LUTZ, H. L. *Public Finance*. 1924. pp. xvi + 681.

Exhibits the traditional treatment with a liberal padding of 'American facts and figures.

NITTI, F. *Principi di Scienza delle Finanze*. [1903.] 5th 1922. pp. xxxv + 834.

In Part I, expenditure is treated in the usual "administrative" manner. In Part II the discussion of income includes some original thoughts on taxation. Translation, *Principes de Science des Finances*, by Stefan Freund, 1928, 2 vols., pp. xix + 439, 470.

PIGOU, A. C. *A Study in Public Finance*. 1928. pp. xvii + 323.

The best book on the subject for acute and exhaustive analysis, especially of taxation problems; but it is not intended to cover the whole ground of public finance. Much more than half of the book is devoted to taxation. There is also a good study of Finance by Borrowing, and a few chapters on Government Expenditure. Very little of the material is entirely new, most of it being incorporated from previous publications. In this connection see especially the following:—*The Economy and Finance of War*, 1916, pp. 76. *The Economics of the War Loan*, 1917, EJ 27, pp. 16–25. *A Special Levy to Discharge War Debt*, 1918, EJ 28, pp. 135–56. *The Burden of War and Future Generations*, 1919, QJE 33, pp. 242–55. *A Capital Levy and a Levy on War Wealth*, 1920, pp. 62. *The Economics of Welfare*, 1920, Pt. IV, most of this material being omitted from the 2nd Edn. 1924. *The Political Economy of War*, 1921, pp. ix + 251. See also notes on some of these in other sub-sections of PUBLIC FINANCE.

PLEHN, C. C. *Introduction to Public Finance*. [1896.] 1920. pp. xix + 446.

One of the best of the American works, but it holds to the traditional treatment very rigidly, even in the latest edition. Brief bibliography. See also the author on *Classification in Public Finance*, 1897, PSQ 12, pp. 82–92, for a defence of SELIGMAN's classification of public revenues, as put forward in QJE 7 and 9, and objected to by BASTABLE in his *Public Finance*, 2nd 1895.

RICCA-SALERNO, G. *Scienze delle Finanze*. 1888. pp. x + 263.

This little handbook contains a large quantity of well-handled matter not yet out-of-date.

ROBINSON, M. E. *Public Finance*. 1922. pp. x + 169.

Seven of the ten chapters of this introductory hand-book deal with taxation, one with debts, one with expenditure and revenue, and one with future policy.

SELIGMAN, E. R. A. *Studies in Public Finance*. 1925. pp. ix + 302.

Twelve articles, addresses, etc., "almost equally divided between questions of fiscal theory and problems of fiscal

policy," most of them dealing with taxation. Seligman is one of the world's most prolific writers on public finance, and yet has produced no general treatise. His ideas must be sought for in the files of American, and other, periodicals. See especially the following: *On the Shifting and Incidence of Taxation*, 1892, pp. 191. *Progressive Taxation*, 1893, PSQ 8, pp. 220-51. *The Classification of Public Revenues*, 1893, QJE 7, pp. 286-321. *Progressive Taxation in Theory and Practice* [1894], 1908, pp. v + 334. *Essays in Taxation* [1895], 5th 1905, pp. x + 434. *The Classification of Public Revenues*, 1895, QJE 9, pp. 278-90. *Pending Problems in Public Finance*, 1905, PSQ 20, pp. 480-92. *The Income Tax* [1911], 1914, pp. xi + 743. *Loans versus Taxes*, 1918, AAA 75, pp. 52-82. *The Effects of Taxation*, 1923, PSQ 38, pp. 1-23. *The Social Theory of Fiscal Science*. 1926. PSQ 41, pp. 193-218 and 355-83. See also notes on these in other sub-sections of PUBLIC FINANCE.

SHIRRAS, G. F. *Science of Public Finance*. 1924. pp. xxii + 676.

An old-fashioned outline filled in with much new material, drawn largely from the fiscal history of India.

WAGNER, A. *Finanzwissenschaft*. 1883-9. 4 vols.

This very exhaustive work deals principally with taxation, in a rather descriptive and technical manner. There are many notes on books. Vol. 1 deals with Fundamental Ideas, vol. 2 with Taxation, and vols. 3 and 4 descriptively and historically with Individual Taxes. Vol. 5, with which it was intended to complete the treatise, was never published. Some of the vols. have run into several editions—e.g. vol. 1 was in its 3rd Edn. before vol. 2 was published—and it is now extremely difficult to find a complete set of any one edition—or even to decide what is properly "one edition". Each vol. contains eight or nine hundred pages. See also note on Wagner's *Lehr- und Handbuch* under SYSTEMATIC TREATISES.

WICKSELL, K. *Finanztheoretische Untersuchungen*. 1896. pp. xiv + 352.

Deals with the theory of taxation and concludes with a description and criticism of the Swedish fiscal system.

PUBLIC REVENUE

AMONN, A. *Zur Frage der steuerlichen Lastenverteilung*. 1925. *ConrJb* 123, pp. 165-99.

A study in the theory of incidence, with an examination of the meaning of an ideal distribution of burdens.

- BARONE, E. *Di alcuni teoremi fondamentali per la teori matematica dell' imposta*. 1894. GE 8, pp. 201-10.

A-diagrammatic analysis of the effects on prices of different sorts of taxes, under different conditions of production. See also the writer's *Studi di Economia Finanziaria*, 1912, GE 44, pp. 309-53 and 469-505, and 45, pp. 1-75, for three studies in the theory of taxation with twelve pages of illustrative geometry.

- BORGATTA, G. *La Rendita del Consumatore e le sue Applicazioni Finanziarie*. 1921. GE 61, pp. 157-74 and 248-71.

A mathematical application of Marshall's doctrine of consumer's surplus to certain problems of taxation.

- BRITISH OFFICIAL PUBLICATIONS. *Report of the Committee on National Debt and Taxation*. 1927. pp. 448.

The committee was appointed "to consider and report on the National Debt and on the incidence of existing taxation, with special reference to their effect on trade, industry, employment and national credit". Its report (Cmd. 2800) should be read in conjunction with the *Appendices*, 1927, pp. 187, and *Minutes of Evidence*, 1927, 2 vols.

- BULLOCK, C. J. *Direct and Indirect Taxes*. 1898. PSQ 13, pp. 442-76.

A history and classification of definitions, emphasizing the difficulties involved in the employment of the concepts named in the title.

- CANNAN, E. *Equity and Economy in Taxation*. 1901. EJ 11, pp. 469-80.

Concludes that "economy plays, and should play, a much greater part, and equity a much smaller part, in schemes of taxation than is commonly supposed".

- CARVER, T. N. *The Ethical Basis of Distribution and its application to Taxation*. 1895. AAA 6, pp. 79-99.

States that there are two evils of taxation—sacrifice and repression. A system of taxation paying due regard to both evils would be moderately progressive. For an examination "of the conditions which will permit a tax to be shifted", as a preliminary study to the more complex problem of the incidence of such shifted taxation, see the writer on *The Shifting of Taxes*, 1896, YR 5, pp. 258-71. His article on *The Minimum Sacrifice Theory of Taxation*, 1904, PSQ 19, pp. 66-79, leads to a conclusion in favour of highly progressive taxation.

- CASSEL, G. *The Theory of Progressive Taxation*. 1901. EJ 11, pp. 481-91.

Criticizes ordinary progressive schemes and enumerates three factors which must be known for the complete determination of a progressive tax.

- CHAPMAN, S. J. *The Utility of Income and Progressive Taxation*. 1913. EJ 23, pp. 25-35.

A mathematical examination of the basis of progressive taxation.

- DALTON, H. *Some Recent Contributions to the Study of Public Finance*. 1921. Ec 1, pp. 199-206.

Contains a criticism of the concept of "ability to pay" and a good discussion of the taxation of savings.

- EDGEWORTH, F. Y. *Papers Relating to Political Economy*. Vol. 2. 1925. pp. 63-270.

Contains eight reprinted articles on taxation. All are important, but perhaps the best are those on "The Pure Theory of Taxation" and "Minimum Sacrifice versus Equal Sacrifice".

- GOBBI, U. *Un preteso difetto delle imposte sui consumi*. 1904. GE 28, pp. 296-306.

A short mathematical study in the effects of taxes on commodities.

- GREGORY, T. E. G. *Tariffs: A Study in Method*. 1921. pp. xv + 518.

A descriptive and critical survey of the technical problems which arise from the existence of tariffs. Classifies tariffs, and deals with differentiation, retaliation, reciprocity, preference, etc.

- HENDERSON, H. D. *Inheritance and Inequality: A Practical Proposal*. 1926. pp. 28.

Contends that "the present distribution of wealth cannot seriously be defended" and puts forward practical proposals for the adoption of RIGNANO's plan for using re-inheritance duties as a method of decreasing inequality of distribution.

- HOBSON, J. A. *Taxation in the New State*. 1919. pp. xii + 254.

Sets forth in Part I the principles upon which the tax-system should be reformed in order to provide for debt-charges and reconstruction; and in Pt. II discusses measures of "emergency finance", especially the capital levy.

- JONES, R. *The Nature and First Principle of Taxation*. 1914. pp. xvii + 299.

Contains a large section on The Development of Ideas about Taxation from the very earliest times, a collection of definitions, a good list of bibliographies, and a discussion of Economy as the first principle of taxation, Equity being referred to as the ethical principle and Convenience and Certainty as political expediences.

- KEYNES, J. M. *The Colwyn Report on National Debt and Taxation*. 1927. EJ 37, pp. 198-212.

A general criticism of the committee's views on taxation,

with special attention to the proposals concerning sinking funds. See also *A Tract on Monetary Reform*. 1923. pp. 41-73, chapter 2 of which deals with inflation as an alternative to more obvious forms of taxation.

PATTERSON, E. M. (Editor). *Financing the War*. 1918. AAA 75.

This volume consists of the leading addresses delivered at the Academy's conference in 1917. Some of the addresses are descriptive and bear chiefly on American conditions, but others deal with Government Borrowing, Loans versus Taxes in War Finance (see note on this under SELIGMAN in this section), Proper Kinds of Taxation, Do Government Loans cause Inflation?, etc.

SELIGMAN, E. R. A. *Essays in Taxation*. [1895.] 5th 1905. pp. x + 434.

This combines the elements of most of Seligman's teaching on taxation. About half of the essays are reprints. See also the following articles by the same writer: *Loans versus Taxes*, 1918, AAA 75, pp. 52-82. ("To attempt to finance a war exclusively through loans is short-sighted. . . . To attempt to finance a war exclusively through taxes is suicidal." See also PATTERSON in this section); *The Effects of Taxation*, 1923, PSQ 38, pp. 1-23. (Discusses the economic effects according as they are influenced by the novelty of the tax, proportionate to the amount of the tax or not, intended or unintended, neutral or injurious, and direct or indirect); and the following books:—*On the Shifting and Incidence of Taxation*, 1892, pp. 191. (Gives a historical sketch of the theory of incidence and examines the incidence of various kinds of taxes, concluding that old taxes are *not* necessarily good taxes, and indicating for the benefit of legislators what classes of tax are least likely to be shifted); *Progressive Taxation in Theory and Practice*. [1894.] 2nd 1908, pp. v + 334. (Pt. I, historical; Pt. II, theoretical. Decides on purely theoretical grounds in favour of progression, but expresses doubts concerning the possibility of applying the theory. Cites many authorities, ancient and modern.)

STAMP, J. C. *The Fundamental Principles of Taxation in the Light of Modern Developments*. 1921. pp. xii + 201.

Considers the effects of taxation from the points of view of the individual, the State, and the community. The author is highly qualified as an economist, a statistician, a businessman, and an administrator, and yet writes in a pleasant and readable style. See also the writer's *Wealth and Taxable Capacity*, 1922, pp. 195, which insists that "the limit of taxable capacity is not an absolute or fixed figure". See also various writings in the sub-section on THE THEORY OF INDIVIDUAL TAXES.

- VINER, J. *Taxation and Changes in Price-Levels*. 1923. JPE 31, pp. 494-520.

A contribution to the theory of the unintended effects of taxation. Discusses in detail how changes in the price-level modify the effects of taxes on income, profits, inheritance, property, land-values, and imports, and of capital levies and excise taxes.

- WALKER, F. A. *The Bases of Taxation*. 1888. PSQ 3, pp. 1-16.

An examination of the "democratic" basis and alternatives, from the point of view of equity, arguing for the "faculty" or "ability-to-produce" basis.

- YOUNG, A. A. *Personal and Impersonal Taxation in Economic Problems New and Old*. 1927. pp. 108-18.

Written in 1915, and reprinted slightly abridged. Contains good definitions and a discussion of the relative merits of both sorts of taxation, chiefly with reference to American conditions.

PARTICULAR TAXES

- ADAMS, T. S. *The Effect of Income and Inheritance Taxes on the Distribution of Wealth*. 1915. AER 5, Supp., pp. 234-44.

"Their virtues are chiefly fiscal and so far as the distribution of wealth is concerned, negative."

- BICKERDIKE, C. F. *Taxation of Site Values*. 1902. EJ 12, pp. 472-84.

A study in incidence. See also the writer's *The Principle of Land Value Taxation*, 1912, EJ 22, pp. 1-15. For a short study in the taxation of international trade, see his article on *The Theory of Incipient Taxes*, 1906, EJ 16, pp. 529-35.

- BRITISH OFFICIAL PUBLICATIONS. *Royal Commission on the Income Tax. Report* (Cmd 615) 1920. pp. 186 + charts.

The Commission, which included Lord Colwyn, Sir J. C. Stamp, and Professor Pigou among its members, was appointed "to inquire into the Income Tax (including Super-tax) of the United Kingdom in all its aspects, including the scope, rates, and incidence of the tax; allowances and reliefs; administration, assessment, appeal, and collection; and prevention of evasion; and to report what alterations of law and practice are necessary or desirable and what effect they would have on rates of tax if it were necessary to maintain the total yield." Even more valuable than the report are the *Minutes of Evidence*, 1920, 1383 pp., issued in 2 parts.

- BROWN, H. G. *The Ethics of Land Value Taxation*. 1917. JPE 25, pp. 464-92.

An appeal for a gradual application of the land tax. See also *The Single Tax Complex of Some Economists*, 1924,

JPE 32, pp. 164-90 ; *Is a Tax on Site Values Never Shifted ?* 1924, JPE 32, pp. 375-82 ; *Land Rent as a Function of Population Growth*, 1926, JPE 34, pp. 274-88. See also W. I. King on *The Single-Tax Complex Analyzed*, 1924, JPE 32, pp. 604-12, for a playfully ironic answer.

CANNAN, E. *The History of Local Rates in England*. [1896.] 2nd 1912. pp. xv + 215.

The 2nd Edn. contains, in addition to the five historical chapters of the 1st Edn., two chapters on the Equity and Economy of Local Rates, which form a really fundamental discussion of important aspects of the theory of taxation. See also the author's *Inequality of Local Rates and its Economic Justification*, 1895, EJ 5, pp. 22-34 ; *The Proposed Relief of Buildings from Local Rates*, 1907, EJ 17, pp. 36-46 ; *The Principle of Rating : A Reply*, 1908, EJ 18, pp. 314-19 ; and Edgar Harper's *Will the Rating of Land Values Increase Urban Congestion ?*, 1908, EJ 18, pp. 25-41.

Cox, H. *The Capital Levy : Its Real Purpose*. 1923. pp. 70.

Condemns the proposals for a levy, and argues that the ideal of the British Labour Party in putting them forward is not the reduction of the national debt, but the socialization of industry. Primarily a reply to Dalton's *The Capital Levy Explained*, 1923, pp. 96. See also Karl Diehl's *Die einmalige Vermögensabgabe* and Heinrich Dietzel's *Abbüderung der Kriegsschuld ?* in Heinrich Herker's *Die Neuordnung der deutschen Finanzwirtschaft*, 1918, pp. 1-149, for arguments pro and con. Other useful works are F. Y. Edgeworth on *A Levy on Capital for the Discharge of Debt*, 1919, pp. 32, which examines the implications of the phrase "capital levy" and discusses its practical bearings, concluding "that we should hold ourselves in readiness to adopt a levy on capital, but that we should not initiate the scheme until after further observation and reflection" ; Corrado Gini on *Problèmes financiers d'après guerre : II, Prélèvements sur le capital*, 1921, Scientia (Bologna) 30, pp. 33-54, for a summary of the pros and cons of various sorts of levy. (See, also the writer's *A Levy on Capital : The Italian Law*, 1920, EJ 30, pp. 287-307) ; Gaston Jèze on *L'impôt extraordinaire sur le capital comme moyen de liquider les charges financières de la guerre en Angleterre*, 1920, pp. 98, for a good historical account of the English attitude toward the levy in 1919 and 1920 ; A. C. Pigou on *A Capital Levy and a Levy on War Wealth*, 1920, pp. 62, and *A Study in Public Finance*, 1928, pp. 286-307, for a balanced presentation of all aspects of the proposal ; and J. C. STAMP on *The Capital Levy and Deflation*, 1924, Contemporary Review 125, pp. 19-26, for a careful examination of the deflationary effects of a capital levy. A long list of writings on the capital levy is given in the 20th *Bulletin of the British Library of Political Science*, 1922.

- DAVENPORT, H. J. *The Single Tax in the English Budget*. 1910. QJE 24, pp. 279-92.

The English Budget is only incidental to the main argument, which concludes that "the truth is with the single-taxers in principle but not in method. All *ad valorem* taxation upon durable property is bad. . . . The rents and not the capitalized values of the rents must be the object and basis of the tax". For a temperate reply to miscellaneous objections to the single tax, see *Theoretical Issues in the Single Tax*, 1917, AER 7, pp. 1-30.

- GRIZIOTTI, B. *Le imposte sugli incrementi di valore nei capitale, ecc.* 1910. GE 40, pp. 625-58 and 41, pp. 45-63, 169-83, 281-309, 648-82, and 401-30.

A long study in the taxation of unearned increments. See also the writer's previous article *I Principii distributivi delle imposte moderne, ecc.*, 1909, GE 39, pp. 455-505.

- RIGNANO, E. *Per una Riforma Socialistica del Diritto Successorio*. 1920. pp. 165.

Sets forth the "Rignano" scheme for levying increasingly heavy duties at each successive transmission of inherited property. Translation and adaptation by Sir Josiah STAMP, published as *The Social Significance of the Death Duties*, 1925, pp. 168. The scheme was briefly outlined by its author in *A Plea for a Greater Economic Democratisation*, 1919, EJ 29, pp. 302-8. For a criticism, see Gerbino's *Sulle Applicazioni Finanziarie di una Proposta di Riforma del Diritto Successorio*, 1923, GE 64, pp. 385-96.

- SELIGMAN, E. R. A. *The Income Tax*. [1911.] 2nd 1914. pp. xi + 743.

Largely historical and mainly relevant to American conditions, but with a certain amount of theoretical discussion and a good bibliography of American and English writings on the income tax. The writer's *Income Taxes and the Price Level*, 1924, Proceedings of the Academy of Political Science, New York, 2, pp. 3-23, discusses the possibility of shifting different kinds of income tax, and the consequent effects on the price-level.

- SPRAGUE, O. M. W. *Conscription of Income a Sound Basis for War Finance*. 1917. EJ 27, pp. 1-15.

Sets forth an original plan for war-finance, and defends it, from the aspects of economy and justice.

- STAMP, J. C. *A Special Taxation of Business Profits*, 1919, EJ 29, pp. 407-27.

An exhaustive and remarkably condensed discussion of all the important bearings of the profits-tax. See also *The Incidence of Increment Duties*, 1913, EJ 23, pp. 194-205; *Inheritance as an Economic Factor*, 1926, EJ 36, pp. 339-74;

and *Taxation, Risk-Taking and the Price-Level*, 1928, EJ 38, pp. 204-15 (a reply to some criticisms made by Robertson in EJ 37, relating to the Colwyn Committee's statements on the effect of changes in the income-tax). For *The Social Significance of the Death Duties*, see under RIGNAFO.

WEBB, S. *Grants in Aid: A Criticism and a Proposal*. [1911.] 2nd 1920. pp. viii + 145.

Finds the root of many administrative and social evils in the present unscientific nature of the financial relations between local authorities and the Exchequer, and submits a scheme of reform. Contains a long bibliography.

PUBLIC EXPENDITURE

This aspect of public finance has been dealt with most unsatisfactorily in nearly all of the general treatises. The usual approach is administrative and descriptive rather than theoretical. There is no good book devoted exclusively to consideration of the economic theory of public expenditure, and there are very few other writings. The general works of DALTON and PIGOU are worth consulting in this connection, however, for which see the section on general and miscellaneous works on PUBLIC FINANCE.

HAWTREY, R. G. *Public Expenditure and the Demand for Labour*. 1925. Ec 5, pp. 38-48.

Discusses the policy of advancing or retarding public works in order to regularize the demand for labour.

GUEST, H. W. *Public Expenditure*. 1927. pp. xiv + 217.

This is by no means an excellent book, but it is unfortunately about the best that has been written on this very inadequately-treated subject. The bibliography deals with general works.

ROBSON, W. A. *The Relation of Wealth to Welfare*. 1924. pp. 176.

This important book argues that, whereas the power of private income to increase the wealth of its possessor in regard to health, art, work, and education, is comparatively small, "the power of collective action and public expenditure to do so is often comparatively great"; although "it would be absurd to infer that it follows as a result of this that all collective expenditure is necessarily conducive to increased personal welfare."

STAMP, J. C. *Studies in Current Problems in Finance and Government*. 1924. pp. 74-98.

Ch. 4, on "The Economic Effects of Disarmament", classifies government expenditure, and examines the special characteristics and effects of expenditure on armaments.

PUBLIC INDEBTEDNESS

ADAMS, H. C. *Public Debts*. 1887. xi + 407.

The standard book on the subject. Discusses justifications, effects, and methods of public borrowing. The illustrative matter in which the book abounds is, of course, now out-of-date, but the theory is not.

BRITISH OFFICIAL PUBLICATIONS. *Report of the Committee on National Debt and Taxation*. 1927. pp. 448.

See note under PUBLIC REVENUE.

DALTON, H. and OTHERS. *The National Debt*. 1925. EJ 35, pp. 351-65.

Report of a discussion at the annual meeting of the Royal Economic Society, opened by DALTON and contributed to by Macgregor, KEYNES, Hawtrey, Lord Haldane, and others.

PIGOU, A. C. *The Economics of the War Loan*. 1917. EJ 27, pp. 16-25.

An elementary exposition of the principles underlying public borrowing. See also other writings by the same author, under general and miscellaneous works on PUBLIC FINANCE.

PART II

AUTHOR BIBLIOGRAPHY

AUTHOR BIBLIOGRAPHY

ENGLISH AND AMERICAN AUTHORS

- CANNAN, EDWIN. 1888, 1897, 1903. *Elementary Political Economy*. pp. 152.
- 1891-1902. *Legislation, Parliamentary Inquiries and Official Returns*. ER 1-12 *passim*.
- 1891-3. Review of "Nouveau Dictionnaire d'Économie Politique". ER 1, pp. 294-8; 2, pp. 424-6; 3, pp. 128-30.
- 1892. *The Origin of the Law of Diminishing Returns*. EJ 2, pp. 53-69.
- 1892. *The Malthusian Anti-Socialist Argument*. ER 2, pp. 71-87.
- 1892. *What is One Pauper?* ER 2, pp. 254-5.
- 1892, 1896. Review of Bastable's "Public Finance". ER 2, pp. 561-4; 6, pp. 109-10.
- 1893, 1903, 1924. *The History of the Theories of Production and Distribution, 1776-1848*. pp. 422.
- 1893. *Bimetallism: A Criticism*. ER 3, pp. 457-74.
- 1893. *Histoire du Mot "Capital"*. REP 7, pp. 478-509.
- 1894. *Ricardo in Parliament*. EJ 4, pp. 249-61, 409-23.
- 1894. *Eight-Hours' Day at the Salford Ironworks*. ER 4, pp. 402-5.
- 1894. *The Growth of Manchester and Liverpool, 1801-91*. EJ 4, pp. 111-14.
- 1894-1903. *London Statistics, 1886-1902*. ER 4-13 *passim*.
- 1894. Review of "Industries of Russia". ER 4, pp. 276-80.
- 1894. Review of Helm's "Joint Standard". ER 4, pp. 576-80.
- 1894. Review of Dodd's "Parish Council Acts Explained". ER 4, pp. 433-5.
- 1894. Review of Mayet's "Agricultural Insurance". ER 4, pp. 136-8.
- 1895. *The Probability of a Cessation in the Growth of Population in England and Wales during the next Century*. EJ 5, pp. 505-15.
- 1895. *The Stigma of Pauperism*. ER 5, pp. 380-91.
- 1895. *The Inequality of Local Rates and its Economic Justification*. EJ 5, pp. 22-34.
- 1895. Review of Jenks's "Outline of English Local Government". EJ 5, pp. 238-40.

- CANNAN, EDWIN. 1895. Review of Brough's "Natural Law of Money". ER 5, pp. 146-7.
- 1895. Review of A. Shaw's "Municipal Government in Great Britain". EJ, 5, pp. 238-40.
- 1895. Review of Wright and Hobhouse, "Outline of Local Government and Local Taxation in England and Wales." EJ 5, pp. 68-71.
- 1896, 1912. The History of Local Rates in England in Relation to the Proper Distribution of the Burden of Taxation. pp. 215.
- 1896. Smith's "Lectures on Justice, etc." [Note on]. EJ 6, pp. 330.
- 1896. Smith's "Lectures on Police, Revenue and Arms". Edited with an Introduction and Notes by Edwin Cannan. pp. xl, 293.
- 1896. Review of Taussig's "Wages and Capital". EJ 6, pp. 441-5.
- 1896. Review of MacLeod's "History of Economics". EJ 6, pp. 606-8.
- 1896. Review of Mayo-Smith's "Statistics and Sociology". ER 6, pp. 549-51.
- 1897. What is Capital? EJ 7, pp. 278-84.
- 1897. Review of Higgs's "The Physiocrats". ER 7, pp. 418-19.
- 1897. Review of Hobson's "Problem of the Unemployed". EJ 7, pp. 87-9.
- 1897. Review of Sherwell's "Life in West London". ER 7, pp. 565-7.
- 1898. The Proclamation of 1717 reducing the Rating of Gold Coins. EJ 8, pp. 135-8.
- 1898. Two Letters of Adam Smith. EJ 8, pp. 402-12.
- 1898. Demographic Statistics of the United Kingdom: their want of correlation and other defects. Statistical Journal 61, pp. 49-70.
- 1898. Review of Gomme's "Lectures on the Principles of Local Government". ER 8, pp. 256-61.
- 1898. Review of Farrer's "Studies in Currency, 1898". ER 8, pp. 547-51.
- 1898. Review of Farrer's "Quantitative Theory of Money and Prices". EJ 8, pp. 81-3.
- 1898. Review of "Report of Commission on Expediency of Revising and Amending Laws of Massachusetts regarding Taxation", EJ 8, pp. 83-6.
- 1899. Ought Municipal Enterprises to be Allowed to Yield a Profit? EJ 9, pp. 1-9.
- 1899. Review of Devine's "Economics". EJ 9, pp. 560-2.
- 1899. Review of Durand's "Finances of New York City". ER 9, pp. 123-6.

- CANNAN, EDWIN. 1899. Review of Seligman's "Shifting and Incidence of Taxation". ER 9, pp. 548-51.
- 1899. Review of Romanes's "Betterment and Municipal Improvements". EJ 9, p. 260.
- 1899. Review of Odger's "Local Government". ER 9, pp. 419-21.
- 1900-1. The Russian Journal of Financial Statistics. ER 10, pp. 231-2; 11, pp. 480-1.
- 1900. Review of Adam's "Science of Finance". ER 10, pp. 118-21.
- 1900. Review of Smith's "New Trades Combination Movement". EJ 10, pp. 60-4.
- 1900. Review of Mayo-Smith's "Statistics and Economics". ER 10, pp. 259-61.
- 1901. Equity and Economy in Taxation. EJ 11, pp. 469-80.
- 1901. The Census: A Forecast and the Result. EJ 11, pp. 230-4.
- 1901. Review of Bowley's "Elements of Statistics". ER 11, pp. 371-5.
- 1901. Review of Cromwell's "American Business Woman". ER 11, pp. 267-8.
- 1901. Review of "The Housing Question in London" (L.C.C. Return). ER 11, pp. 383-6.
- 1901. Review of Devas's "Political Economy". EJ 11, pp. 379-82.
- 1902. The Financial Relations of English Localities. EJ 13, pp. 6-19.
- 1902. The Practical Utility of Economic Science. EJ 12, pp. 459-71.
- 1902. The Recent Decline of Natality in Great Britain. Fortnightly Review 71, pp. 541-6.
- 1902. Review of Fairlie's "Municipal Administration". EJ 12, pp. 228-9.
- 1902. Review of Wells's "Anticipations". ER 12, pp. 239-42.
- 1903. Colonial Preference. Independent Review 1, pp. 39-51.
- 1903. Review of "Free Trade and Protection". A Fiscal Duel between Harold Cox and Ernest Williams. EJ 13, pp. 382-4.
- 1903. Review of Vince's "Mr. Chamberlain's Proposals, etc.". EJ 13, pp. 577-80.
- 1903, 1913. Review of Pierson's "Principles of Economics". ER 13, pp. 473-5; 23, pp. 331-3.
- 1903. Review of Row-Fogo's "Reform of Local Taxation in England". EJ 13, pp. 74-8.
- 1903. Review of "Imperial Reciprocity". Series of Articles reprinted from *Daily Telegraph*. EJ 13, pp. 575-7.

- CANNAN, EDWIN. 1904. Smith's "Wealth of Nations": Edited and with Introduction by Edwin Cannan. pp. xlviii, 506.
- 1904. Review of Shaw's "Commonsense of Municipal Trading". EJ 14, pp. 568-73.
- 1905. The Division of Income. QJE 19, pp. 341-69.
- 1905. Review of Ely's "Elementary Principles of Economics" and "Outlines of Economics". ER 15, pp. 238-41, 256-7.
- 1905. Review of Ashley's "English Local Government". EJ 15, pp. 399-401.
- 1905. Review of Carver's "Distribution of Wealth". ER 15, p. 367.
- 1905. Review of Meredith's "Protection in France". ER 15, pp. 249-51.
- 1906. Review of Chiozza Money's "Riches and Poverty". EJ 6, pp. 85-90.
- 1906. Review of Jevons's "Principles of Economics". ER 16, pp. 234-6.
- 1907. The Proposed Relief of Buildings from Local Rates. EJ 17, pp. 36-46.
- 1907. Review of Pratt's "British Canals". EJ 17, pp. 95-8.
- 1907. Review of Avebury's "Municipal and National Trading". EJ 17, pp. 91-5.
- 1908. The Principle of Rating. EJ 18, pp. 314-19.
- 1908. Review of Wells's "New Worlds for Old". EJ 18, pp. 417-21.
- 1908. Review of Davenport's "Value and Distribution". ER 18, pp. 484-6.
- 1909. Review of Palgrave's "Dictionary of Political Economy". ER 19, pp. 113-14.
- 1910. Histoire des Theories de la Production et de la Distribution dans l'Economie Politique anglaise de 1776-1848: translated from the English. pp. 557.
- 1910. Review of MacDonald's "Socialism and Government". EJ 20, pp. 63-6.
- 1910. Review of Wicksteed's "Common Sense of Political Economy". EJ, 20, pp. 394-9.
- 1911, 1917. Review of Smart's "Economic Annals of the 19th Century". EJ 21, pp. 61-4; 27, pp. 535-8.
- 1912. The Economic Outlook. pp. 312.
- 1912. Review of McKillop and Atkinson's "Economics". ER 22, pp. 221-3.
- 1912. Review of Knoop's "Principles and Methods of Municipal Trading". EJ 22, pp. 448-52.
- 1913. Dr. Carlyle on Wages. ER 23, pp. 180-90.
- 1913. Review of Fisher's "Elementary Principles of Economics". ER 23, pp. 91-5.

- CANNAN, EDWIN. 1914, 1920, 1923, 1928. *Wealth : A Brief Explanation of the Causes of Economic Welfare*. pp. 274, 279, 274, 292.
- 1914. *The Land Report : Urban*. EJ 24, pp. 551-6.
- 1914. Review of "Materials for the Study of Elementary Economics" (edited by Marshall, Wright and Field). EJ 24, pp. 297.
- 1914. Review of Mallet's "British Budgets". EJ 24, pp. 89-92.
- 1914. Review of Hobson's "Work and Wealth". ER 24, pp. 444-7.
- 1915. *Coal Prices : Report of Committee on*. EJ 25, pp. 262-70.
- 1915. *The Good Side of High Prices*. *Contemporary Review* 107, pp. 312-20.
- 1915. Review of Hirst's "Political Economy of War". EJ 25, pp. 600-4.
- 1916. *Food Prices, the Report on : Review*. EJ 26, pp. 472-81.
- 1916. *British Industry after the War, Report on : Review*. EJ 26, pp. 97-104.
- 1916. *A Study in Malthusianism : Review*. EJ 26, pp. 218-22.
- 1916. Review of Lambert's "International Morality and Exchange". EJ 26, pp. 365-8.
- 1916. Review of Hobson's "New Protectionism". EJ 26, pp. 365-8.
- 1916. Review of Robertson's "Study of Industrial Fluctuation". EJ 26, pp. 228-9.
- 1917. *Industrial Unrest*. EJ 27, pp. 453-70.
- 1917. Review of Peddie's "National System of Economics". EJ 27, pp. 375-7.
- 1918, 1920, 1923, 1926. *Money : its connexion with rising and falling prices*. pp. 120.
- 1918. *National Expenditure, Reports on*. EJ 28, pp. 101-6.
- 1918. Review of "Labour and Capital after the War" (edited by Chapman). EJ 28, pp. 320-2.
- 1918. Review of Hobson's "Democracy after the War". EJ 28, pp. 92-4.
- 1918. Review of "The State and Industry during the War and After" (papers by various authors). EJ 28, pp. 416-17.
- 1918. Review of Pulsford's "Commerce and the Empire : 1914 and after". EJ 28, pp. 91-2.
- 1919. *The Paper Pound of 1797-1821 : Reprint of the Bullion Report edited by and with introduction by Edwin Cannan*, pp. xlix, 71.
- 1919. *The National Income (Review)*. EJ 29, pp. 207-13.
- 1919. Review of Robertson's "The New Tariffism". EJ 19, pp. 79-80.
- 1920. *South African Currency (Review)*. EJ 30, pp. 519-30.

- CANNAN, EDWIN. 1920. Comments on Article by Professor Cassel. AAA, May, 1920, pp. 283-5.
- 1920. Review of Laughlin's "Money and Prices". EJ 30, pp. 86-90.
- 1920. Review of Nicholson's "Inflation". EJ 30, pp. 86-90.
- 1921. Early History of the Term Capital. QJE 35, pp. 469-81.
- 1921. Foreword and notes to D. A. Cannan's "Trade Unions": a paper read at Manchester in 1851 or 1852. pp. i-ii.
- 1921. Application of the Theoretical Apparatus of Supply and Demand to Units of Currency. EJ 31, pp. 453-61.
- 1921. Review of Stamp's "Fundamental Principles of Taxation in the Light of Modern Developments". EJ 31, pp. 349-53.
- 1921. Review of Pigou's "Economics of Welfare". EJ 31, pp. 206-14.
- 1922. Review of Lavington's "Trade Cycle". EJ 32, pp. 355-9.
- 1922. Review of Henderson's "Supply and Demand". EJ 32, pp. 198-202.
- 1922. Review of Cassel's "Money and Foreign Exchange". EJ 32, pp. 506-13.
- 1922. Review of "Recent Memoirs on Currency Policy". EJ 32, pp. 58-65.
- 1923. Introduction to Ambelades' "Problem of the Rupee". pp. i-xvii.
- 1923. Review of Yovanovitch-Fogler's "Théories Monétaires de l'Économiste Cassel". EJ 33, p. 549.
- 1923. Review of Lehfeldt's "Restoration of the World's Currencies". EJ 33, pp. 376-7.
- 1924. "Total Utility" and "Consumer's Surplus". Ec 4, pp. 21-6.
- 1924. Limitation of Currency or Limitation of Credit. EJ 34, pp. 52-64.
- 1924. Review of Gregory's "Return to Gold" and "Present Position of Banking in America". EJ 35, pp. 615-18.
- 1924. Review of Lawrence's "National Debt". EJ 34, pp. 609-10.
- 1926. Review of Rignano's "Social Significance of Death Duties". EJ 36, pp. 235-8.
- 1926. Money. 5th Edition. pp. 120.
- 1927. An Economist's Protest. pp. 438.
- 1928. Wealth. 3rd Edition. xxviii, 292.
- 1928. Report of the Industrial Transference Board. EJ 38, pp. 673-7.
- CARVER, T. N. 1893. The Place of Abstinence in the Theory of Interest. QJE 8, pp. 40-61.
- 1894. The Theory of Wages adjusted to Recent Theories of Value. QJE 8, pp. 377-402.

- CARVER, T. N. 1895. *Ethical Basis of Distribution and its Application to Taxation*. AAA 6, pp. 79-99.
- 1896. *The Shifting of Taxes* (Review). YR 5, pp. 258-71.
- 1897. *The Value of the Money Unit*. QJE 11, pp. 429-35.
- 1898. *The Ohio Tax Inquisition Law*. American Economic Association Publications, Economic Studies, 3, pp. 167.
- 1899. Review of Darwin's "Bimetallism". YR 8, pp. 325-8.
- 1900. Review of Loria's "Economic Foundations of Society". PSQ 15, pp. 143-7.
- 1900. Review of Smith's "New Trades Combination Movement". PSQ 15, pp. 742-4.
- 1901. *The Risk Theory of Profits*. QJE 15, pp. 456-8.
- 1901. Review of Clark's "Distribution of Wealth". QJE 15, pp. 578-602.
- 1901. Review of Hobson's "Social Problem". PSQ 16, pp. 731-3.
- 1901. Review of Böhm-Bawerk's "Capital and Capitalzins". YR 10, pp. 211-13.
- 1902. *Some Theoretical Possibilities of a Protective Tariff*. American Economic Association Publications. Series iii, 3, pp. 167, 196.
- 1902. *The Place of the Theory of Value in Economics*. QJE 17, pp. 185-7.
- 1902. *The Economic Interpretation of History*. JPE 11, pp. 93-8.
- 1902. Review of Willett's "Economic Theory of Risk and Insurance". EJ 12, pp. 240-2.
- 1903. *The Universal Law of Diminishing Returns*. QJE 17, pp. 335-6.
- 1903. *The Relation of Abstinence to Interest*. QJE 18, pp. 142-5.
- 1903. *A Suggestion for a Theory of Industrial Depressions*. QJE 17, pp. 497-500.
- 1904. *The Distribution of Wealth*. pp. 290.
- 1904. *The Minimum Sacrifice Theory of Taxation*. PSQ 19, pp. 66-79.
- 1904. Review of Ashley's "Tariff Question". PSQ 19, pp. 148-52.
- 1904. Review of Darwin's "Municipal Trade". QJE 18, pp. 439-40.
- 1905. *Sociology and Social Progress: a handbook for students of Sociology*. pp. 810.
- 1905. *The Marginal Theory of Distribution*. JPE 13, pp. 257-66.
- 1905. *A Suggestion for a New Economic Arithmetic*. EJ 18, pp. 19-27.

- CARVER, T. N. 1905. Review of Veblen's "Theory of Business Enterprise", PSQ 20, pp. 141-3.
- 1905. Review of Landry's "L'Intérêt du Capital". PSQ 20, pp. 151-3.
- 1905. Review of Weston's "Principles of Justice in Taxation". EJ 15, pp. 77-80.
- 1906. How Ought Wealth to be Distributed? Atlantic Monthly 47, pp. 727-38.
- 1906. Review of Nicholson's "Principles of Political Economy". YR 11, pp. 406-9.
- 1907. The Meetings of British and of American Economists. QJE 22, pp. 125-7.
- 1907. The Concept of An Economic Quantity. QJE 21, pp. 427-48.
- 1908. Machinery and the Labourers. QJE 22, pp. 210-32.
- 1908. Davenport's "Value and Distribution" (Review). QJE 23, pp. 151-60.
- 1910. This Year's Experience in the Teaching of Elementary Economics at Harvard. JPE 18, pp. 429-31.
- 1911. Principles of Rural Economics. pp. 386.
- 1911. Large-scale and Small-scale Farming. American Statistical Association Publications, 12, pp. 488-90.
- 1911. The Meaning of Social Science. JPE 19, pp. 128-30.
- 1911. Occupational Distribution of the Labour Supply. Bulletin of the Am. Econ. Ass. 1, pp. 204-6.
- 1911. Review of Patten's "Social Basis of Religion". AER 1, pp. 790-4.
- 1912. The Religion Worth Having. pp. 140.
- 1912. La Répartition des Richesses (trans. by R. Picard). pp. 240.
- 1912. Review of Haggard's "Rural Denmark and its Lessons". AER 2, pp. 91-3.
- 1912. Review of Hollander's "David Ricardo". PSQ 27, pp. 145-6.
- 1912. Economic Significance of Changes in Country Population. AAA 40, pp. 21-5.
- 1912. Review of Coulter's "Co-operation Among the Farmers". AER 2, pp. 949-50.
- 1912. Review of Anderson's "Social Value". JPE 20, pp. 636-8.
- 1913. Review of Coman's "Economic Beginnings of the Far West". AER 3, pp. 353-5.
- 1913. Review of Fisher's "Elementary Principles of Economics". AER 3, pp. 620-3.
- 1914. The Work of Rural Organization. JPE 22, pp. 821-44.
- 1914. The Rural Organization Service. AER Supplement, 4, No. 1, pp. 101-3.

- CARVER, T. N. 1915. *Essays in Social Justice*. pp. 429.
- *— 1915. Preface to "Social Adaptation" by Bristol (L. M.), *Harvard Economic Studies*, pp. ix-xii.
- *— 1916. *Selected Readings in Rural Economics*. pp. 974.
- 1917. *The National Point of View in Economics: Presidential Address*. *AER Supplement*, 7, No. 1, pp. 3-17.
- 1917. *Standardization in Marketing*. *QJE* 31, pp. 341-4.
- *— (and others). 1918. *The Foundations of National Prosperity*. pp. 378.
- 1918. *The Behavioristic Man*. *QJE* 33, pp. 195-200.
- 1918. Review of Hoag's "Theory of Interest". *QJE* 32, pp. 536-8.
- 1918. Review of Kitson's "Trade Fallacies" and "Fraudulent Standard". *QJE* 32, pp. 393-6.
- 1919. *Government Control of the Liquor Business*. pp. 192.
- 1919. *Principles of Political Economy*. pp. 400.
- 1919. *War Thrift, Government Control of the Liquor business in Great Britain and the United States*. pp. 183.
- 1919. *The Possibilities of Price-Fixing in Times of Peace*. *AER Supplement*, 9, No. 1, pp. 246-51.
- 1919. *Four Labor Programs*. *QJE* 33, pp. 344-67.
- 1919. *An Eminent Economist Confused*. *QJE* 33, pp. 570-1.
- 1919. Review of Walsh's "Climax of Civilization", "Socialism", "Feminism". *QJE* 33, pp. 714-17.
- 1919. *International Phases of the Land Question*. *AAA* 83, pp. 16-21.
- 1920. *Elementary Economics*. pp. 400 (ill.).
- 1920. *Some Probable Results of a Balanced Industrial System*. *AER Supplement*, 10, No. 1, pp. 69-77.
- 1920. *Thrift and the Standard of Living*. *JPE* 28, pp. 784-6.
- 1920. *The Relation of Thrift to Nation Building*. *AAA* 87, pp. 4-9.
- 1920. Review of Shanahan's "Animal Food-stuffs". *AER* 10, pp. 591-2.
- 1920. Review of Schmidt's "Topical Studies and References on the History of American Agriculture". *AER* 10, pp. 591-2.
- 1920. Review of Ross's "Principles of Sociology". *QJE* 35, pp. 139-54.
- 1920. Review of Rew's "Food Supplies in Peace and War". *AER* 10, p. 590.
- 1921. *Principles of National Economy*. pp. 773.
- 1922. *The Equilibrium Wage*. *AAA* 100, pp. 77-9.
- 1923. Bircck's "Theory of Marginal Value" (Review). *QJE* 37, pp. 734-41.
- 1924. *The Economy of Human Energy*. pp. 287.

- CARVER, T. N. 1924. Automatic Saving and the Rate of Accumulation. QJE 38, pp. 347-51.
- 1924. The Incidence of Costs. EJ 34, pp. 576-88.
- 1924. Review of Strachey's "Economics of the Hour". PSQ 39, pp. 328-31.
- 1925. The Meaning of Economic Equality. QJE 39, pp. 473-5.
- 1925. Review of Brooking's "Industrial Ownership". AER 15, pp. 342-3.
- 1926. The Present Economic Revolution in the United States. pp. 270.
- CLARK, J. BATES. 1884. The Modern Appeal to Legal forces in Economic life. American Economic Association Publications, 9, Nos. 5 and 6.
- *— 1886. The Philosophy of Wealth. pp. 235.
- *— 1887. The Limits of Competition. PSQ 2, pp. 45-61.
- *— 1887. Profits under Modern Conditions. PSQ 2, pp. 603-19.
- 1887. Review of Bastable's "International Trade". PSQ 2, pp. 524-6.
- 1888. Capital and its earnings. Am. Econ. Association Publications, 3, No. 2, pp. 70.
- (and GIDDINGS, FRANKLIN H.) 1888. The Modern Distributive Process. pp. 70.
- 1888. Review of Molinari's "Lois naturelles de l'économie politique" and "Morale Economique". PSQ 3, pp. 190-2, 705-6.
- 1888. Review of Denslow's "Economic Philosophy". PSQ 3, pp. 693-4.
- 1889. The Possibility of a Scientific Law of Wages. American Econ. Association Publications, 4, p. 37.
- 1889. Review of Böhm-Bawerk's "Kapital und Kapitalzins". PSQ 4, pp. 342-6.
- 1889. Review of Gide's "Principes d'économie politique". PSQ 4, pp. 548-9.
- *— 1890. De l'Influence de la Terre sur le Taux des Salaires. REP 4, pp. 252-71.
- 1890. The Law of Wages and Interest. AAA 1, pp. 43-65.
- *— 1890. The Ethics of Land Tenure: International Journal of Ethics 1, pp. 62-79.
- 1890. Review of Thompson's "Theory of Wages". PSQ 8, pp. 361-3.
- 1890. Review of Zuckerkandl's "Zur Theorie des Preises". PSQ 5, pp. 170-1.
- 1891. Marshall's Principles of Economics (Review). PSQ 6, pp. 126-51, p. 740.
- 1891. Distribution as determined by a law of rent. QJE 5, pp. 289-318.
- 1891. The Statics and Dynamics of Distribution. QJE 6, pp. 111-19.

- CLARK, J. BATES. 1891. Review of Wittelshöfer's "Untersuchungen über das Kapital". PSQ 6, pp. 175-6.
- 1891. Review of Gunton's "Social Economics". PSQ 6, pp. 574-8.
- 1892. Insurance and Business Profits. QJE 7, pp. 40-54.
- 1892. The Ultimate Standard of Value. YR 1, pp. 258-74.
- 1892. Review of Patten's "Dynamic Economics". AAA 3, pp. 30-44.
- *— 1893. The Genesis of Capital. YR 2, pp. 302-15.
- 1893. Surplus Gains of Labor. AAA 3, pp. 607-17.
- *— 1894. Papers on Labour Problems (also by C. D. Wright, D. R. Dewey, A. T. Hadley, J. G. Brooks). American Economic Association Publications, 9, Nos. 5, 6, pp. 94.
- 1894. An Unfinished Study of Dr. Merriam. AAA 4, pp. 969-72.
- 1894. A Universal Law of Economic Variation. QJE 8, pp. 261-79.
- 1894. Review of Wicksell's "Ueber Wert, Kapital und Rente", PSQ 9, pp. 572-4.
- 1894. Review of Naumann's "Lehre von Wert". PSQ 9, pp. 572-4.
- 1895. Real Issues Concerning Interest. QJE 10, pp. 98-105.
- 1895. The Origin of Interest. QJE 9, pp. 257-78.
- 1895. The Gold Standard in Recent Theory. PSQ 10, pp. 389-403.
- 1895. Review of Boissevain's "Question Monétaire". PSQ 10, pp. 729-30.
- 1895. Review of Laycock's "Economics and Socialists". PSQ 10, pp. 723-4.
- 1896. The Theory of Economic Progress. American Economic Association, Economic Studies, 1, No. 1. pp. 46.
- 1896. Free Coinage and Prosperity. PSQ 11, pp. 248-68.
- 1896. The Theory of Economic Progress. Presidential Address. American Econ. Association Publications. Economic Studies, 1, Suppt., p. 3.
- 1896. After Effects of Free Coinage. PSQ 11, pp. 493-501.
- 1896. Review of Fisher's "Appreciation and Interest". EJ 6, pp. 567-70.
- 1897. The Scholar's Opportunity. PSQ 12, pp. 589-602.
- 1897. Review of Davenport's "Outlines of Economic Theory". JPE 5, pp. 384-5.
- *— 1898. Introduction to Rodbertus' "Overproduction and Crises".
- *— 1898. Introduction to Sombart's "Socialism and the Social Movement in the 19th Century."
- 1898. The Future of Economic Theory. QJE 13, pp. 1-14.

- CLARK, J. BATES. 1899. Natural Divisions in Economic Theory. QJE 13, pp. 187-203.
- *— 1899. Dynamic Law of Wages. YR 7, pp. 375-82.
- 1899. Review of Devine's "Economics". PSQ 14, pp. 331-2.
- 1899. Review of Macfarlane's "Value and Distribution". PSQ 14, pp. 536-9.
- 1900. Trusts. PSQ 15, pp. 181-95.
- 1900. Review of Smart's "Distribution of Income". PSQ 15, pp. 551-2.
- 1900. Review of Hobson's "Economics of Distribution". PSQ 15, pp. 735-6.
- 1901. Wages and Interest as Determined by Marginal Productivity. JPE 10, pp. 105-10.
- 1901. Monopolies and the Law. PSQ 16, pp. 463-75.
- 1901. Review of Gonner's "Social Philosophy of Rodbertus". PSQ 16, pp. 365-6.
- 1901. The Control of Trusts . . . curbing the power of monopoly by a natural method. pp. 88.
- 1902. The Distribution of Wealth : a theory of Wages, Interest and Profits. pp. 445.
- 1902. Authoritative Arbitration. PSQ 17, pp. 553-67.
- 1902. Review of Colquhoun's "Mastery of the Pacific". PSQ 17, pp. 533-4.
- 1903. Monopoly and the Struggles of Classes. PSQ 18, pp. 599-613.
- 1903. The Dynamics of the Wages Question. American Econ. Association Publications, Series iii, 4, p. 130.
- 1904. The Problem of Monopoly. pp. 128.
- 1904. Monopoly and Tariff Reduction. PSQ 19, pp. 376-90.
- 1905. The Field of Dynamic Economics. PSQ 20, pp. 246-56.
- 1907. Essentials of Economic Theory as Applied to Modern Problems of Industry and Public Policy. pp. 566.
- 1907. Über das Wesen des Kapitals (trans. by J. Schumpeter). ZV 16, pp. 426-46.
- 1907. Concerning the Nature of Capital. QJE 21, pp. 351-70.
- 1907. On What Principles Should a Court of Arbitration Proceed in Determining the Rate of Wages? American Econ. Association Publications, Series iii, 8, p. 23.
- 1909. The Theory of Collective Bargaining. American Econ. Association Publications, Series iii, 10, p. 24.
- 1910. Economics for Children. JPE 18, pp. 432-4.
- 1912. The Possibility of Competition in Commerce and Industry. AAA 42, pp. 63-6.
- 1912. Review of Schumpeter's "Theorie der Wirtschaftlichen Entwicklung". AER 2, pp. 873-5.

- *CLARK, J. BATES (and CLARK, J. MAURICE). 1913. *The Control of Trusts*.
 — 1914. *Social Justice without Socialism*. pp. 49.
 — 1916. *The Economic Costs of War*. AER Supplement, 6 No. 1, pp. 85-93.
 — 1917. *American League to Enforce Peace*. EJ 27, pp. 442-4.
- *CLARK, J. MAURICE. 1910. *Standards of Reasonableness in Local Freight Discriminations*. Columbia University Studies in History, Economics and Public Law, 37, No. 1, pp. 155.
 — 1911. *Rates for Public Utilities*. AER 1, pp. 473-87.
- * — 1913. *The Control of Trusts* (2nd edition with J. Bates Clark).
 — 1913. *Possible Complications of a Compensated Dollar*. AER 3 pp. 576-84.
 — 1913. *Frontiers of Regulation and What Lies Beyond*. AER Supplement, 3, No. 1, pp. 114-25.
 — 1913. *Mining Legislation in Canada*. AAA 45, pp. 151-7.
 — 1913. *Review of Pigou's "Wealth and Welfare"*. AER 3, pp. 623-5.
 — 1913. *Review of Ripley's "Railroads: Rates and Regulation"*. PSQ 28, pp. 347-9.
 — 1914. *Some Economic Aspects of the New Long and Short Haul Clause*. QJE 28, pp. 322-37.
 — 1914. *Neglected Phases of Rate Regulation*. AER 4, pp. 565-74.
 — 1914. *Davenport's Economics*. PSQ 29, pp. 315-23.
 — 1914. *A Contribution to the Theory of Competitive Price*. QJE 28, pp. 747-71.
 — 1914. *Review of Hobson's "Work and Wealth"*. QJE 29, pp. 177-80.
 — 1914. *Review of Lawson's "British Railways"*. JPE 22, pp. 800-2.
 — 1915. *The Concept of Value*. QJE 29, pp. 663-74.
 — 1915. *The Concept of Value: A Rejoinder*. QJE 29, pp. 708-23.
 — 1916. *The Changing Basis of Economic Responsibility*. JPE 24, pp. 209-29.
 — 1916. *Review of Hoag's "Theory of Interest"*. PSQ 31, pp. 479-80.
 — 1917. *Business Acceleration and the Law of Demand*. JPE 25, pp. 217-35.
 — 1917. *The Basis of Wartime Collectivism*. AER 7, pp. 772-90.
 — 1917. *Review of Brown's "Prevention and Control of Monopolies"*. PSQ 32, pp. 353-4.
 — (and HAMILTON, WALTON H., and MOULTON, HAROLD G., editors). 1918, 1919. *Readings in the Economics of War*. pp. 676.
 — 1918. *Economics and Modern Psychology*. JPE 26, pp. 1-30, 136-66.

- CLARK, J. MAURICE. 1919. Economic Theory in an Era of Social Readjustment. AER Supplement, 9, No. 1, pp. 280-90.
- 1920. Railway Valuation as a Working Tool. JPE '28, pp. 265-306.
- 1920. Coal Production and the Strike Settlement. JPE 28, pp. 80-4.
- 1921. An Example of Municipal Research. JPE 29, pp. 241-9.
- 1921. Soundings in Non-Euclidean Economics. AER 11, Supplement, pp. 132-42.
- 1923. The Economics of Overhead Costs. pp. 502.
- 1923. Overhead Costs in Modern Industry. JPE 31, pp. 47-64, 209-42, 606-36.
- 1923. Some Social Aspects of Overhead Costs. AER 13, No. 1, Supplement, pp. 50-9.
- 1924. Review of Vanderblue and Burgess' "Railroad Rates, Service, Management". American Statistical Association Publications, 9, pp. 259-62.
- 1924. Review of Veblen's "Absentee Ownership and Business Enterprise in Recent Times". AER 14, pp. 289-93.
- 1924. Review of Cassell's "Theory of Social Economy". PSQ 39, pp. 688-90.
- 1925. Three-Dimensional Price Diagrams : Further Discussion of. AER 15, pp. 717-19.
- 1925. Review of Jagtians's "Rôle of the State in the Province of Railways". American Statistical Association Publications, 20, pp. 458-60.
- (and F. H. KNIGHT). 1925. A Note on Professor Clark's Illustration of Marginal Productivity. JPE 33, pp. 550-62.
- *— 1926. Social Control of Business. pp. 483.
- 1926. Review of Tarbell's "Life of Judge Gary". YR, New Series, 16, pp. 191-3.
- 1926. Review of Foster and Catching's "Profits". American Statistical Association Publications, 21, pp. 506-7.
- DAVENPORT, H. J. 1894. The Formula of Sacrifice. JPE 2, pp. 561-73.
- *— 1896. Outlines of Economic Theory.
- 1897. The Real Cost of the Tariff. JPE 5, pp. 506-16.
- 1901. Review of Carlile's "Evolution of Modern Money". JPE 9, pp. 620-5.
- 1901. Review of Aupetit's "Essai sur la Théorie Générale de la Monnaie". JPE 10, pp. 148-9.
- 1902. Proposed Modifications in Austrian Theory and Terminology. QJE 16, pp. 355-84.
- 1903. The Relation of Business Profits to Industrial Depression. JPE 11, pp. 629-31.

- DAVENPORT, H. J. 1904. Review of Seager's "Introduction to Economics". JPE 12, pp. 303-4.
- 1904. Capital as a Competitive Concept. JPE 13, pp. 31-47.
- 1904. Review of Flux's "Economic Principles". JPE 13, pp. 114-15.
- 1905. Cost History and Cost Theory. JPE 13, pp. 449-80.
- 1905. Doctrinal Tendencies: Fetter, Flux, Seager, Carver. YR 14, pp. 300-24.
- 1905. Review of W. S. Jevons' "Principles of Economics" (edited by Higgs). JPE 13, pp. 600-3.
- 1906. A New Text: Seligman, Social Value. JPE 14, pp. 143-69.
- 1906. Morality: Charity: State Insurance. JPE 14, pp. 392-5.
- 1906. Review of H. S. Jevons' "Essays on Economics". JPE 14, pp. 640-1.
- 1907. The Taxation of Dividends. JPE 15, pp. 552-5.
- 1907. Taxation in Missouri. JPE 15, 491-3.
- 1907. Tax Legislation by Constitutional Amendment. JPE 15, pp. 635-41.
- 1907. A Permissive Habitation Tax. JPE 15, pp. 614-19.
- 1907. Review of Fisher's "Rate of Interest". JPE 15, pp. 635-41.
- 1907. Review of Armitage-Smith's "Principles and Methods of Taxation". JPE 15, pp. 368-70.
- 1907. Review of Robertson's "Foundations of Politica Economica". JPE 15, pp. 54-5.
- 1907. Review of Zaitman's "Investments of Life Insurance Companies". JPE 15, pp. 184-5.
- 1908. Value and Distribution: a critical and constructive study. pp. 582.
- *— 1908. Exercises in Value Theory based upon "Value and Distribution".
- 1908. The Working of Restricted Credit. JPE 16, pp. 26-30.
- 1908. Employers' Liability in Insurance Theory. JPE 16, pp. 157-9.
- 1909. Proportions of Factors: advantage and size. QJE 23, pp. 593-617.
- 1909. Exhausted Farms and Exhausting Taxation. JPE 17, pp. 354-62.
- 1910. Capitalization and Market Value. YR 19, pp. 132-43.
- 1910. Social Productivity v. Private Acquisition. QJE 16, pp. 96-118.
- 1910. The Single Tax in the English Budget. QJE 15, pp. 279-92.
- 1911, 1912. State Taxation of Interstate Commerce. PSQ 26, pp. 643-58; 27, pp. 1-35.

- *DAVENPORT, H. J. 1911. The Extent and Significance of the Unearned Increment. *Bulletin of the Am. Econ. Ass.* 1, pp. 322-32.
- 1911. Cost and its Significance. *AER* 1, pp. 724-52.
- 1911. Review of Brouilhet's "Conflits des Doctrines dans l'économie politique contemporaine". *AER* 1, pp. 550-1.
- 1913. The Economics of Enterprise. pp. 544.
- 1916. War Finance and American Business. *JPE* 24, pp. 97-125.
- 1916. Review of Fetter's "Economic Principles". *JPE* 24, pp. 313-62.
- 1917. Theoretical Issues in Single Tax. *AER* 7, pp. 1-30.
- 1918. The Distributive Relations of Indirect Goods. *QJE* 32, pp. 635-63.
- 1919. Farm Products and Cost Accounting. *JPE* 27, pp. 354-61.
- 1919. Wage Theory and Theories. *QJE* 33, pp. 256-97.
- 1919. The War-Tax Paradox. *AER* 9, pp. 34-46.
- 1921. The Post-War Outlook. *AER* 11, pp. 1-15.
- FETTER, FRANK A. 1894. The Exploitation of Theories of Value in the Discussion of the Standard of Deferred Payments. *AAA* 5, pp. 882-96.
- 1896. The Gold Reserve. *PSQ* 11, pp. 236-47.
- 1897. Review of Taussig's "Wages and Capital". *PSQ* 12, pp. 146-51.
- *— 1898. The Essay of Malthus: A Centennial Review. *YR* 7, pp. 153-67.
- 1898. Review of Davidson's "Bargain Theory of Wages". *PSQ* 13, pp. 566-9.
- 1900. Recent Discussions of the Capital Concept. *QJE* 15, pp. 1-45.
- 1900. Review of Gilman's "Dividend to Labor". *JPE* 8, pp. 430-2.
- *— 1901. The Next Decade of Economic Theory. *American Econ. Association Publication*, 2, No. 1.
- 1901. The Passing of the Old Rent Concept. *QJE* 15, pp. 416-55.
- 1901. Review of Böhm-Bawerk's "Capital und Capitalzins". *JPE* 9, pp. 286-8.
- 1902. The "Roundabout Process" in the Interest Theory. *QJE* 17, pp. 163-80.
- 1902. Review of Böhm-Bawerk's "Einige strittige Fragen der Capitalstheorie". *PSQ* 17, pp. 169-73.
- *— 1904. The Principles of Economics: with applications to practical problems. pp. 610.
- (and others). 1904. Relations between Rent and Interest. *American Economic Association, Economic Studies*, 5, No. 1.

- FETTER, FRANK A. 1904. *The Relations between Rent and Interest*. American Economic Association Publications, Series iii, 5, p. 176, 227.
- 1905. *Changes in the Tax Laws of New York State in 1905*. QJE 20, pp. 150-6.
- 1905. Review of Cassell's "Nature and Necessity of Interest". PSQ 20, pp. 149-51.
- 1906. *Change in Mortgage Taxation in New York in 1906*. QJE 20, pp. 613-16.
- 1907. *The German Imperial Inheritance Tax*. QJE 21, pp. 332-4.
- 1907. *The Nature of Capital and Income* (Review). JPE 15, pp. 129-48.
- 1907. Review of Gonner's "Interest and Saving". PSQ 22, pp. 160-2.
- 1910. Review of Liefmann's "Kartelle und Trusts". PSQ 25, pp. 340-2.
- * — 1912. *Source Book in Economics*. pp. 385.
- (and others). 1912. *The Price Concept in Relation to Value*. AER 2, Supplement, pp. 89-91.
- 1912. *The Definition of Price*. AER 2, pp. 783-813.
- 1912. Review of Lloyd's "Distribution and Consumption". PSQ 27, pp. 706-7.
- 1913. *Population or Prosperity: Annual Presidential Address Am. Econ. Association*. AER Supplement, 3, pp. 5-19.
- 1914. *Interest Theories Old and New*. AER 4, pp. 68-92.
- 1914. *Capitalization v. Productivity: A Rejoinder*. AER 4, pp. 856-9.
- 1914. *Davenport's Competitive Economics* (Review). JPE 22, pp. 550-65.
- 1914. Review of Hamilton's "Readings in Current Economic Problems". AER 4, pp. 608-9.
- * — 1915. *Economic Principles*. pp. 523.
- 1916. *An Appeal to "The Sober Reader"*. JPE 24, pp. 596-605.
- * — 1917. *Modern Economic Problems* (Vol. 2 of "Economic Principles"). pp. 493.
- 1917. Review of Lapp and Mote's "Learning to Learn". AER 7, p. 903.
- 1920. *Price Economics v. Welfare Economics*. AER 10, pp. 467-87, 719-37.
- 1922. Review of Waddell's "Economics of Bridge Work". AER 12, pp. 643-5.
- 1923. *Value and the Larger Economics*. JPE 31, pp. 587-605, 790-803.
- 1923. *Comment on Courses in Elementary Economics*. AER 13, pp. 245-8.

- FETTER, FRANK A. 1924. Economics and Portland Cement Prices. AER 14, pp. 649-57.
- 1924. The Economic Law of Market Areas. QJE 38, pp. 520-9.
- 1924. Review of Hunter and Watkins' "The Background of Economics". AER 14, pp. 722.
- 1925. Economists and the Public. AER 15, pp. 18-26.
- 1925. Economics and Portland Cement Prices. Reply to Letter by G. S. Brown. AER 15, p. 80.
- 1926. Review of Hollander's "Economic Liberalism". AER 16, pp. 283-4.
- FISHER, IRVING. 1886. Appreciation and Interest. American Econ. Association Publications, Series i, 11, pp. 331.
- 1892, 1925. Mathematical Investigations in the Theory of Value and Prices (Bibliography pp. 120-6). pp. 126.
- 1894. The Mechanics of Bimetallism. EJ 4, pp. 527-37.
- *— 1896. Appreciation and Interest. American Economic Association Publications, 11, No. 4 [Bibliography pp. 96-8]. pp. 110.
- *— 1896. The Relation of Changes in the Volume of the Currency to Prosperity. American Economic Association Publications, Economic Studies, 1, Suppt., p. 58.
- 1896. What is Capital? EJ 6, pp. 509-34.
- 1897. Senses of Capital. EJ 7, pp. 199-213.
- 1897. The Role of Capital in Economic Theory. EJ 7, pp. 511-37.
- 1897. Review of Offermann's "Das Fictive Capital als die Ursache niedrigen Arbeitslohnes". EJ 7, pp. 253-5.
- *— 1898. Bibliography of Mathematical Economics. Cournot's "Researches into the Mathematical Principles of the Theory of Wealth", pp. 173-210.
- 1898. Cournot and Mathematical Economics. QJE 12, pp. 119-38, 238-44.
- 1904. Precedents for Defining Capital. QJE 18, pp. 386-408.
- *— 1905. Gold Production and the Rate of Interest. Moody's Magazine, New York, Dec., 1905.
- 1905. Capital Concept: Professor Tuttle's. QJE 19, pp. 309-13.
- *— 1906. The Nature of Capital and Income. pp. 427.
- *— 1907. The Rate of Interest. pp. 354.
- 1907. Capital and Income: Prof. Fetter on. JPE 15, pp. 421-34.
- 1908. Are Savings Income? American Econ. Assn. Publications Series iii, 9, p. 21.
- 1908. The Rate of Interest: Reply to Review of. JPE 16, pp. 533-4.
- 1908. Review of Davenport's "Value and Distribution". YR 17, pp. 449-51.

- FISHER, IRVING. 1908. Review of Davenport's "Value and Distribution". JPE 16, pp. 661-79.
- 1909. Capital and Interest. PSQ 24, pp. 504-68.
- * — 1909. The Costs of Tuberculosis in the United States and their Reduction. pp. 35.
- 1909. Brief Introduction to the Infinitesimal Calculus : designed especially to aid in reading mathematical economics and statistics. pp. 384.
- 1909. A Reply to Critics. QJE 23, pp. 536-41.
- 1909. Practical Method of estimating the Velocity of Circulation of Money. Statistical Journal 72, pp. 604-18.
- 1909. Obituary of Simon Newcomb. EJ 19, pp. 641-3.
- 1909. Review of Kemmerer's "Money and Credit Instruments in Their Relation to General Prices". YR 17, pp. 452-3.
- 1909. Report on National Vitality, its Wastes and Conservation. Bulletin 30 of the Committee of One Hundred on National Health. pp. 129.
- 1910. William Graham Sumner : The Inspirer. YR 19, pp. 5-7.
- (assisted by Harry G. Brown). 1911, 1925. The Purchasing Power of Money ; its determination and relation to credit, interest and crises. pp. 505.
- 1911. The Impatience Theory of Interest. Scientia 9, pp. 383.
- 1911-20. The Equation of Exchange. AER 1-20 *passim*.
- * — 1911. Recent Changes in Prices Levels and their Causes. Bulletin Am. Econ. Assn. 1, pp. 37-45.
- 1912. Elementary Principles of Economics. pp. 531.
- (and others) 1912. Layton's paper on Prices : discussion on. Sociological Review 5, No. 4, pp. 298-308.
- 1912. A More Stable Gold Standard. EJ 22, pp. 570-6.
- 1912. Will the Present Upward Trend of World Prices Continue ? AER 2, pp. 531-58.
- 1912. An International Commission on the Cost of Living. AER 2, Suppt., pp. 92-101.
- 1913. La hausse actuelle de la monnaie, du crédit et des prix. Comment y remédier. REP 27, pp. 419-34.
- 1913. The Monetary Side of the Cost of Living Problem. AAA 48, pp. 133-9.
- 1913. A More Stable Gold Standard. Statistical Journal 76, p. 346.
- 1913. A Remedy for the Rising Cost of Living—Standardizing the Dollar. AER Supplement 3, No. 1, pp. 20-8.
- 1913. The Impatience Theory of Interest. AER 3, pp. 341-5.
- 1913. A Compensated Dollar. QJE 27, pp. 213-35, 385-97.
- 1913. The Cost of Living. ER 23, pp. 310-12.
- * — 1914. Why is the Dollar Shrinking ? A Study in the High Cost of Living. pp. 223.

- FISHER, IRVING. 1914. Objections to the Compensated Dollar Answered. AER 4, pp. 818-87.
- 1915. Review of Auspitz and Lieben: "Recherches sur la Théorie du Prix". AER 5, pp. 106-8.
- 1916. The Rate of Interest after the War. AAA 68, pp. 244-51.
- 1916. Some Impending National Problems. JPE 24, pp. 694-712.
- 1916. The Mortality of Our Public Men. American Statistical Assn. Publications 15, pp. 35-49.
- 1916. Money, Prices, Credit and Banking. AER 6, pp. 457-8.
- 1917. Recherches Mathématiques sur la Théorie de la Valeur et des Prix, translation by Jacques Moret. Bibliography pp. 193-8, pp. 205.
- 1917. The "Ratio Chart" for Plotting Statistics. American Statistical Assn. Publications 15, pp. 577-601.
- *— 1917. Need for Health Insurance. Monthly Labor Review, U.S.A. 4, pp. 894-5.
- 1918. How the Public School should Pay for the War. AAA 78, pp. 112-17.
- 1918. Some Contributions of the War to Our Knowledge of Money and Prices. AER 8, Supplement, pp. 257-8.
- 1918. "Utility" the Most Suitable Term for the Concept it is used to Denote? AER 8, pp. 335-7.
- *— 1918. Adjusting Wages to the Cost of Living. Monthly Labor Review, U.S.A., 7, pp. 1-5.
- 1919, 1920. Stabilizing the Dollar. Monthly Labor Review, U.S.A., 8, pp. 10-14; 10, pp. 222-3.
- 1919. Stabilizing the Dollar. AER Supplement 9, pp. 156-60.
- 1919. Humanizing Industry. AAA 82, pp. 83-90.
- 1919. Rejoinder to The Proposal to Stabilize the Unit of Money, by G. H. Knibbs. AER 9, pp. 256-62.
- 1919. Ratio Charts. Monthly Labor Review, U.S.A., 8, pp. 20.
- 1919. Economists in Public Service: Presidential Address. AER Supplement 9, No. 1, pp. 5-20.
- 1920. Stabilizing the Dollar: a plan to stabilize the general price level without fixing individual prices. Bibliography, pp. 286-96, pp. 305.
- 1920. The Price Situation. Monthly Labor Review, U.S.A., 11, pp. 93.
- 1921. The Best Form of Index Number. American Statistical Assn. Publications 17, pp. 533-51.
- 1921. Review of Walsh's "Problem of Estimation". American Statistical Assn. Publications 17, pp. 935-6.
- 1922. The Making of Index Numbers: A Study of their Varieties, Tests and Reliabilities. Bibliography, pp. 519-20, pp. 526.

- FISHER, IRVING. 1923. *League or War?* Bibliography, pp. 251-4, pp. 268.
- 1923. *The Dance of the Dollar*. American Statistical Assn. Publications 18, pp. 1024-7.
- 1923. *Professor Young on Index Numbers*. QJE 37, pp. 742-54.
- 1923. *A Weekly Index Number of Wholesale Prices*. American Statistical Assn. 18, pp. 835-40.
- 1923. *The Stabilization of Europe*. AER 13, pp. 76-80.
- 1923. *Reciprocal Influences Between America and Europe*. AAA 108, pp. 166-70.
- 1923. *Review of Leffeldt's "Restoration of the World's Currency."* American Statistical Assn. Publications 19, pp. 123-5.
- 1924. *America's Interest in World Peace*. pp. 123.
- 1924. *Index Numbers: Professor Bowley on*. EJ 34, pp. 246-52.
- 1924-6. *A Revision of the Weekly Index Number*. American Statistical Assn. Publications 19, pp. 336-47; 20, pp. 409-13; 21, pp. 344-7.
- 1924. *Mr. Udny Yule on Index Numbers*. Statistical Journal 87, pp. 89-98.
- *— 1924. *Europe's Big Debts*. YR New Series 13, pp. 449-66.
- 1924. *Comment on Plehn's "Income as Recurrent Consumable Receipts"* (address). AER 14, pp. 64-7.
- 1925. *Our Unstable Dollar and the So-called Business Cycle*. American Statistical Assn. Publications 20, pp. 179-202.
- 1925. *The Decentralization and Suburbanization of Population*. AAA 118, pp. 96-7.
- *— 1926. *Prohibition at Its Worst*. pp. 255.
- 1926. *Review of Van Waere de Bordes "Austrian Crown, its Depreciation and Stabilization"*. American Statistical Assn. Publications 21, pp. 110-18.
- 1928. *A Statistical Method for Measuring "Marginal Utility."* pp. 36.
1929. *The Money Illusion*. pp. 245.
- FLUX, A. W. 1894. *Commercial Supremacy of Gt. Britain*. EJ 4, pp. 457-67, 595-605.
- 1894. *Extract from lecture on "Jevons and his Work"*. EJ 4, pp. 339-42.
- 1894. *Review of Wicksteed's "Essay on Co-ordination of Laws of Distribution"*. EJ 4, pp. 305-13.
- 1894. *Review of Wicksell's "Ueber Wert Kapital und Rente nach der neueren nationalökonomischen Theorien"*. EJ 4, pp. 305-13.
- 1895. *Fifty Years' Accounts of the Bank of England*. Transactions Manchester Stats. Society, Sessions 1894-5, pp. 69-92.

- FLUX, A. W. 1896, 1897. Review of Pareto's "Cours d'Économie Politique" (2 Vols). EJ 6, pp. 249-53; 7, pp. 91-4.
- 1897. The Cost of Compensation for Mining Accidents in Germany. Statistical Journal 60, pp. 866-71.
- 1897. The Lock-Out in the Iron Trade in Denmark. EJ 7, pp. 618-23.
- 1897. British Trade and German Competition. EJ 7, pp. 84-45.
- 1897. The New Canadian Tariff. EJ 7, pp. 427-35.
- 1898. Compensation for Industrial Accidents. Transactions Manchester Stats. Society Sessions 1897-8, pp. 267-306.
- 1898. Compensation Acts in Europe. EJ 8, pp. 559-63.
- 1898. Our Foreign Trade Rivals. ER 8, pp. 181-98.
- 1898. Review of Pantaleoni's "Pure Economics". EJ 8, pp. 355-60.
- 1899. The Commercial Supremacy of Gt. Britain. EJ 9, pp. 173-83.
- 1899. The Danish Lock-Out. EJ 9, pp. 445-62.
- 1899. The Flag and Trade: a summary review of the trade of the chief colonial empires. Statistical Journal 62, pp. 489-522.
- *— 1899. Denmark and Its Aged Poor. YR 7, pp. 434-48.
- 1899. Saving and Spending. ER 9, pp. 174-84, 342-50.
- 1899. Some Old Trade Records Re-examined, A Study in Price Movements during the Present Century. Transactions Manchester Stats. Soc., Sessions 1898-9, pp. 65-91.
- 1900. Notes on City Government and Local Taxation in Copenhagen. Transactions Manchester Stats. Society, Sessions 1899-1900, pp. 1-64.
- 1900. Review of Chapman's "History of Trade between the U.K. and the U.S." EJ 10, pp. 223-5.
- 1900. Internal Migration in England and Wales, 1881-91. EJ 10, pp. 141-50.
- 1900. The Berlin Produce Exchange. EJ 10, pp. 245-50.
- 1900. Review of Hobson's "Economics of Distribution". EJ 10, pp. 380-5.
- 1901. Review of Jenks' "Trust Problem". EJ 11, pp. 52-5.
- 1901. Review of Wenckstein's "Heimatpolitik durch Welt-politik". EJ 11, pp. 55-6.
- 1901. Some Thoughts on Industrial Conditions. Transactions Manchester Stats. Society, Sessions 1900-1, pp. 13-34.
- 1901. Review of Macrosty's "Trusts and the State". EJ 11 pp. 213-14.
- 1901. Review of Dietzel's "Weltwirtschaft und Volkswirtschaft". EJ 11, pp. 214-16.
- 1902. Review of Baasch's "Beitrage zur Geschichte des Deutschen Schiffbauer und der Schiffbaupolitik". EJ 12, pp. 246-8.

- FLUX, A. W. 1902. Review of (David) Davidson's "Om Beskattningsnormen vid Inkomstskatten". EJ 12, pp. 525-6.
- 1902. Review of Grundzel's "System der Handelspolitik". EJ 12, pp. 248-50.
- 1902. Review of Helfferich's "Handelspolitik". EJ 12, pp. 248-50.
- 1902. Review of Fitger's "Die wirtschaftliche und technische Entwicklung der Seeschifffahrt von der Mitte des 19 Jahrhunderts bis auf die Gegenwart". EJ 12, pp. 526-8.
- 1903. Preferential Tariffs and Canadian Interests. EJ 13, pp. 469-85.
- 1903. The Centralization of Bank-Note issues in Sweden. YR 11, pp. 361-73.
- 1903. Review of (John) Davidson's "Imperial Federation and Colonial Trade Policy". EJ 13, pp. 373-5.
- 1904, 1923. Economic Principles: An Introductory Study. pp. 324.
- 1904. The Variation of Productive Forces. QJE 18, pp. 280-5.
- 1904. Britain's Place in Foreign Markets. EJ 14, pp. 356-71.
- 1904, 1908. Letter from Canada. EJ 14, pp. 124-31; 18, 124-33.
- 1904. Review of Fetter's "Principles of Economics". JPE 13, pp. 109-13.
- 1905. Improvements and Rentability. EJ 15, pp. 276-82.
- *— 1905. Do Reciprocally Preferential Tariffs tend towards Free Trade? American Econ. Assn. Publications, Series iii, 6, p. 336.
- 1905. Review of Chomley's "Protection in Canada and Australasia." EJ 15, pp. 54-7.
- 1905. Review of University of Toronto Studies in History and Economics. EJ 15, pp. 224-5.
- *— 1906. *Preface to* Jevon's "Coal Question" 3rd edition. pp. ix-xxviii.
- 1906. Report of Ontario Commission on Railway Taxation, 1905. EJ 16, pp. 622-4.
- 1906. Review of Seligman's "Principles of Economics with special reference to American conditions". YR 15, pp. 98-5.
- 1906. Review of Métin's "Travail au Canada". EJ 16, pp. 411-13.
- 1906. Review of Gonner's "Interest and Saving". EJ 16, pp. 550-3.
- 1906. Review of Sondorfer's "Technik des Welthandels". EJ 16, pp. 606.
- 1907. The Relation of the Protective Tariff to the Trusts. American Econ. Assn. Publications, Series iii, 8, p. 229.
- 1907. Canadian Tariff Revision. EJ 17, pp. 276-83.
- 1908. Canadian Banking and the Financial Crisis. YR 17, pp. 93-8.

- FLUX, A. W. 1908. Review of Clark's "Essentials of Economic Theory as Applied to Modern Problems of Industry and Public Policy". YR 17, pp. 228-30.
- 1908. Review of Seligman's "Principles of Economics" 3rd edition. YR pp. 226-8.
- 1909. Irving Fisher on Capital and Interest. QJE 23, pp. 307-23.
- 1910. The Swedish Banking System. U.S.A. National Monetary Commission, 61st Congress, 2nd session, Senate Docut. 576.
- 1910. Review of Bowley's "Elementary Manual of Statistics". EJ 20, pp. 268-71.
- 1910. Urban Vital Statistics in England and Germany. Statistical Journal 73, pp. 207-41.
- 1911. The Yield of High-Class Investments. Transactions Manchester Statistical Society, Sessions 1910-11, pp. 103-38.
- 1912. Review of Lexis' "Allgemeine Volkswirtschaftslehre". EJ 22, pp. 75-8.
- 1912. Review of Willgren's "Öfversikt af den Modärna Statliga Inkomst och Förmögenhetsbeskattningen i Europa". EJ 22, pp. 478-80.
- 1912. Review of Weston's "England's Recent Progress". EJ 22, pp. 101-2.
- 1912. Review of Andersson's "Statistikens Själfständighets-förklaring i Sverige", etc. EJ 22, pp. 106-8.
- 1913. Gleanings from the Census of Production Report. Statistical Journal 76, pp. 557-85.
- 1918. Review of Heckscher's "Världskrigets Ekonomie". EJ 28, pp. 96-7.
- 1921. The Measurement of Price Changes. Statistical Journal 84, pp. 167-99.
- 1923. International Statistical Comparisons. Statistical Journal 86, pp. 297-315.
- 1923. Review of Taylor's "Principles of Economics". QJE 38, pp. 140-5.
- 1924. Foreign Exchanges. pp. 193.
- 1924. The Census of Production. Statistical Journal 87, pp. 351-75.
- 1926. British Export Trade. EJ 36, pp. 551-62.
- 1929. The National Income. Journal Royal Statistical Society 92.
- JEVONS, H. STANLEY. 1905. Essays on Economics. pp. 280.
- 1907. The Development of an International Parliament. Contemporary Review 92, pp. 305-26.
- * — 1907. Preface to W. S. Jevons's "Investigations into Currency and Finance".
- 1909. The Causes of Unemployment. Contemporary Review 95, pp. 548-65; 96, pp. 67-89, 165-89.

- JEVONS, H. STANLEY. 1909. *The Two Power Standard*. *Contemporary Review* 95, pp. 129-35.
- 1909. Review of "Trades for London Boys and how to enter them". *EJ* 19, pp. 93-4.
- * — 1910. *The Sun's Heat and Trade Activity*. pp. 35.
- 1912. *Insurance and Training for the Unemployed*. *Contemporary Review* 99, pp. 415-24.
- 1915. *The British Coal Trade*. *Bibliography* pp. 857-63. pp. 876.
- * — 1918. *The Consolidation of Agricultural Holdings in the United Provinces*. pp. 55.
- 1921. *The Economics of Tenancy, Law and Estate Management*. pp. 114.
- 1922. *Money, Banking and Exchange in India*. pp. 330.
- 1922. *The Future of Exchange and the Indian Currency*. pp. 264.
- 1925. *Notes from India*. *EJ* 35, pp. 148-53.
- JEVONS, W. STANLEY. 1863. *A Serious Fall in the Value of Gold*. pp. 67.
- 1865, 1906. *The Coal Question. An Inquiry concerning the Progress of the Nation and the probable exhaustion of our mines*. (Edited by A. W. Flux.) pp. 460.
- 1865. *Variation of Prices and Value of Currency since 1782*. *Statistical Journal* 28, pp. 294-320.
- 1866. *Frequent Autumnal Pressure in the Money Market and the Actions of the Bank of England*. *Statistical Journal* 29, pp. 235-53.
- 1868. *The Condition of the Metallic Currency of the United Kingdom with reference to the Question of International Coinage*. *Statistical Journal* 31, pp. 426-64.
- 1868. *International Monetary Convention and Introduction of an International Currency into this Kingdom*. *Transactions Manchester Stats. Society, Sessions 1867-8*. pp. 79-94.
- 1870. *Presidential Address at opening of British Association (Statistics Section), 40th meeting*. *Statistical Journal* 33, pp. 309-26.
- 1870. *Work of Manchester Statistical Society in Connection with Questions of the Day*. *Transactions Manchester Stats. Society, Sessions 1869-70*, pp. 1-14.
- * — 1871. *The Match Tax (A Pamphlet)*.
- 1871, 1879, 1888, 1912. *The Theory of Political Economy*. *Bibliography* pp. 278-91.
- * — 1873. *The Philosophy of Inductive Inference*. *Fortnightly Review* 14, pp. 457-76.
- * — 1873. *The Use of Hypothesis*. *Fortnightly Review* 14, pp. 778-88.
- 1873. *Who Discovered the Quantification of the Predicate ?* *Contemporary Review* 21, pp. 821-5.

- JEVONS, W. STANLEY. 1874. *Théorie mathématique de l'échange : Correspondence with Prof. Walras.* JE 34, pp. 417-22.
- 1874. *The Mathematical Theory of Political Economy.* Statistical Journal 37, pp. 478-88.
- 1875, 1908. *Money and the Mechanism of Exchange.* International Scientific Series 17.
- 1875. *The Post Office Telegraphs and their Financial Results.* Fortnightly Review 18, pp. 826-35.
- 1875. *The Progress of the Mathematical Theory of Political Economy, with an Explanation of the Principles of the Theory.* Transactions Manchester Stats. Soc., Sessions 1874-5, pp. 1-19.
- 1876. *Logic (Science Primers).* pp. 128.
- 1876. *Cruelty to Animals.* Fortnightly Review 19, pp. 671-84.
- 1876. *The Future of Political Economy.* Fortnightly Review 20, pp. 617-31.
- 1876. *The United Kingdom Alliance and its Prospects of Success.* Transactions Manchester Stats. Soc., Sessions 1875-6, pp. 127-42.
- 1877. *Le Passé et l'Avenir de l'économie politique.* JE 45, pp. 325-42.
- 1877, 1878. *John Stuart Mill's Philosophy Tested.* Contemporary Review 31, pp. 167-83, 256-76.
- 1878. *The Statistical use of the Arithmométer.* Statistical Journal 41, pp. 597-9.
- 1880. *Guide to the Study of Political Economy* by Luigi Cossa. Translation to 2nd edition and preface.
- 1880. *Experimental Legislation and the Drink Traffic.* Contemporary Review 37, pp. 177-93.
- 1880. *Postal Orders, Money Orders and Bank Cheques.* Contemporary Review 38, pp. 159-62.
- 1881. *Richard Cantillon and the Nationality of Political Economy.* Contemporary Review 39, pp. 61-81.
- 1881. *The Rationale of Free Public Libraries.* Contemporary Review 39, pp. 385-403.
- 1881. *Bimetallism.* Contemporary Review 39, pp. 750-8.
- 1882. *Married Women in Factories.* Contemporary Review 41, pp. 27-37.
- * — 1884, 1907 (with a preface by H. S. Jevons). *Investigations in Currency and Finance.* (Edited and introduction by Herbert Somerton Foxwell.)
- 1886. *Letters and Journal of.* Edited by his wife.
- 1887. *Analogy between the Post Office, Telegraphs and other systems of conveyance of the United Kingdom as regards Government Control.* Transactions Manchester Stats. Society, Session 1886-7, pp. 89-104.
- 1888, 1909. *Elementary Lessons in Logic: Deductive and Inductive.* pp. 340.

- JEVONS, W. STANLEY. 1892. *Political Economy* (Science Primers).
 — 1894. *State in Relation to Labour* (English Citizen Series).
 * — 1894. *History of Political Economy*. AAA 4, Suppt. pp. 128.
 — 1903. *Refutation of the Theory of Value of :* in "Théorie de la Valeur" by Christian Cornélius. pp. 409.
 — 1904. *Methods of Social Reform and other Papers*. pp. 367.
 — 1904. "La Théorie de l'Économie Politique". (Translation by Maj. H. E. Barrault and Maurice Alfassa with preface by M. Paul Painlevé).
 — 1909. *Principles of Economics* [A fragment of a Treatise on the Industrial Mechanism of Society] and other papers.
 KNIGHT, FRANK H. 1915. *The Thirteenth Census Report on Occupations*. AER 5, pp. 184-8.
 — 1915. *Mechanical Devices in European Statistical Work : and a Correction*. American Statistics Assn. Publications 14, pp. 596-9, 700.
 — 1916. *Neglected Factors in the Problem of Normal Interest*. QJE 30, pp. 279-310.
 — 1917. *The Concept of Normal Price in Value and Distribution*. QJE 32, pp. 66-100.
 — 1921. *Risk, Uncertainty and Profit*. pp. 381.
 — 1921. Review of Cassel's "Theoretische Sozialökonomie." QJE 36, pp. 145-53.
 — 1922. *Ethics and the Economic Interpretation*. QJE 36, pp. 454-81.
 — 1923. *The Ethics of Competition*. QJE 37, pp. 579-624.
 — 1923. *Some Books on Fundamentals*. JPE 31, pp. 342-59.
 — 1923. Review of Boucke's "Critique of Economics". AER 13, pp. 286-8.
 — 1924. *Fallacies in the Interpretation of Social Cost*. QJE 38, pp. 582-606.
 — 1924. Review of Atkins' "Economics of Freedom". AER 14, pp. 718-19.
 — 1925. *Economic Psychology and the Value Problem*. QJE 39, pp. 372-409.
 — 1925. *Facts and Metaphysics in Economic Psychology*. AER 15, pp. 247-66.
 — 1925. *A Note on Professor Clark's Illustration of Marginal Productivity*. JPE 33, pp. 550-62.
 — 1925. *On Decreasing Cost and Comparative Cost*. QJE 39, pp. 331-3.
 — 1925. Review of McDougall's "Ethics and Some World Problems". PSQ 40, pp. 138-40.
 — 1925. Review of Small's "Origins of Sociology". AER 15, pp. 724-7.
 — 1925. Review of Ashley's "Christian Outlook". PSQ 40, pp. 624-6.

- KNIGHT, FRANK, H. 1926. *Economics at its Best*. AER 16, pp. 51-8.
- 1926. Review of Foster and Catchings's "Profits". PSQ 41, pp. 408-71.
- 1928. A Suggestion for Simplifying the Statement of the General Theory of Price. JPE 36, pp. 353-70.
- 1929. Historical and Theoretical Issues in the Problem of Modern Capitalism. *Journal of Economic and Business History* 1.
- MACGREGOR, D. H. 1906. *Industrial Combination*.
- 1907. Review of Maccosty's "Trust Movement in British Industry". EJ 17, pp. 381-3.
- 1907. Review of Berglund's "United States Steel Corporation". EJ 17, pp. 548-9.
- 1907. Labour Exchanges and Unemployment. EJ 17, pp. 585-9.
- 1908. Earnings and Surpluses. EJ 18, pp. 532-40.
- 1909. Shipping Conferences. EJ 19, pp. 503-16.
- 1910. The Poverty Figures. EJ 20, pp. 569-72.
- 1913. Evolution of Industry (bibl. pp. 253-4). pp. 254.
- 1913. Review of Clark's "Control of Trusts". EJ 23, p. 435.
- 1913. Review of "Encyclopædia of Industrialism". EJ 23, pp. 265.
- 1913. Review of Giffen's "Statistics (1898-1900)". ER 23, pp. 327-8.
- 1913. Review of "Industrial Combinations and Trusts" (edited by Stevens). EJ 23, pp. 263-4.
- 1914. Municipal Wages Disputes. ER 24, pp. 145-52.
- 1914. The Development of German Syndicates. EJ 24, pp. 24-32.
- 1914. Review of Taylor's "Credit System". ER 24, pp. 336-7.
- 1914. Review of Layton's "Capital and Labour". EJ 24, pp. 449-50.
- 1914. Review of Knauth's "Policy of United States Towards Monopoly". EJ 24, p. 288.
- 1914. Review of Keynes's "Indian Currency and Finance". ER 24, pp. 458-9.
- 1914. Review of Hobson's "Work and Wealth". EJ 24, pp. 260-3.
- 1915. Reports on South Africa. EJ 25, pp. 143-7.
- 1922. American Views on the European Problem (Reviews). EJ 32, pp. 171-7.
- 1922. British Aspects of Unemployment. JPE 30, pp. 725-49.
- (and others) 1923. Some Aspects of Recent British Economics. pp. 134.
- 1923. Motives and Standards in Industry. EJ 33, pp. 1-18.
- 1924. Sanctions for Discount Policy. EJ 34, pp. 638-43.

- MACGREGOR, D. H. 1925. *The Agricultural Argument*. EJ 35, pp. 389-97.
- 1925. *Trade of Large and Small Countries*. EJ 35, pp. 642-5.
- 1925. *Stabilization of Agricultural Prices*. EJ 35, pp. 652-3.
- 1926. *Family Allowances*. EJ 36, pp. 1-10.
- 1926. *Review of Astor's "Facts of Industry"*. EJ 36, pp. 482-3.
- 1926. *Review of Kyrk's "Theory of Consumption"*. EJ 36, pp. 241-2.
- 1926. *Review of Wasserman's "Œuvre de la Fédéral Trade Commission"*. EJ 36, pp. 275-6.
- 1927. *Rationalisation of Industry*. EJ 37, pp. 521-50.
- *MARSHALL, ALFRED. 1872. *Review of Jevons' "Theory of Political Economy"*. *Academy*, 3, 1872, pp. 130-2.
- *— 1873. *Graphic Representation by aid of a series of Hyperbolas of some Economic Problems having reference to Monopolies*. *Proceedings of Cambridge Philosophical Society*, Oct., 1873.
- *— 1874. *The Future of the Working Classes*. *The Eagle*, St. John's College, Cambridge, 1874.
- 1876. *Mill's Theory of Value*. *Fortnightly Review*, April, 1876, 19, pp. 591-602.
- *— 1878. *The Economic Condition of America (Lecture)*. *Bristol Mercury and Daily Post*, Dec., 1878.
- *— 1879. *Water as an Element of National Wealth (Gilchrist Lecture)*. *Bristol Mercury and Daily Post*, 6th March, 1879.
- 1879, 1881. *The Economics of Industry*. pp. 230.
- 1881. *Intermediate and Higher Education in Wales: Evidence before Royal Commission on*. *Report of the Commission*.
- *— 1881. *Progress and Poverty (Three Lectures)*. *Western Daily Press*, March, 1881.
- *— 1881. *Address on Leaving Bristol*. *Western Daily Press*, 30th Sept., 1881.
- *— 1881. *Review of Edgeworth's "Mathematical Psychics"*. *Academy*, April, 1881.
- 1884. *Where to House the London Poor*. *Contemporary Review* 45, pp. 224-31.
- 1885. *The Present Position of Economics (Lecture)*. pp. 57.
- 1885. *Preface to Bagehot's "Postulates of English Political Economy"*. pp. v-vii.
- 1885. *The Graphic Method of Statistics*. *Journal Royal Statistical Society*, Jubilee Volume, pp. 251-60.
- 1885. *How far do Remediable Causes influence prejudicially (a) The Continuity of Employment, (b) The Rates of Wages*. *Report of Industrial Remuneration Conference*, January, 1885. pp. 22.
- 1885. *The Present Position of Political Economy: Reply to Review*. *The Times*, 2nd June, 1885.

MARSHALL, ALFRED. 1885. The Pressure of Population on the Means of Subsistence (Lecture). The Malthusian, October, 1885.

- *— 1885. Theories and Facts about Wages. Co-operative Annual, 1885.
- 1886. Political Economy and Outdoor Relief. Letter to The Times, 15th Feb., 1886.
- 1886. Currency and Prices; answers to Questions on, by Royal Commission on Depreciation of Trade and Industry. Report of Commission, Appendix C, pp. 31-4.
- 1887. The Economics of Industry: Reply to attack on. QJE 1, pp. 359-61.
- 1887. Gold and Silver: Evidence before Royal Commission on: together with Memorandum. Report of the Commission.
- 1887. The Theory of Business Profits. QJE 1, pp. 477-81.
- 1887. The Royal Commission on Trade Depression. Letter to the Times, 18th Jan., 1887.
- 1887. Remedies for Fluctuations of General Prices. Contemporary Review 51, pp. 365-75.
- 1887. A Tabular Standard of Value. Letter to the Economist, 12th March, 1887.
- 1887. On the Theory of Value. QJE 1, pp. 359-61..
- 1887. Preface to Price's "Industrial Peace".
- 1888. Business Profits and Wages (letter). QJE 3, p. 109.
- 1888, 1889. Wages and Profits. QJE 2, pp. 218-23; 3, p. 109.
- *— 1889. Presidential Address before Co-operative Congress, Ipswich. Printed by Central Co-operative Board, Manchester. pp. 32.
- 1889. Presidential Address before the Co-operative Congress, Ipswich. The Times, 11th June, 1889.
- 1889. Bimetallism. Letters to The Times, 25th and 31st Jan., 1889.
- 1890, 1920. Principles of Economics 1 (eight editions and one reprint). pp. 754, 871.
- 1890. Some Aspects of Competition (Presidential Address at Brit. Assn.). pp. 35.
- *— 1890. Proposed to Form an Economic Association (Circular Letter).
- 1890. Some Aspects of Competition. Statistical Journal 53, pp. 612-43.
- 1893. Obituary of Prof. Benjamin Jowett. EJ 3, pp. 745-6.
- 1893. Discussion on Higg's "Workmen's Budgets". Statistical Journal 56, pp. 286-8.
- 1893. Consumers Surplus. AAA 3, pp. 618-21.
- 1895. The Venezuela Question. Letter to The Times, 22nd Dec., 1895.

- MARSHALL, ALFRED. 1895. The Aged Poor : Evidence before Royal Commission on, together with preliminary statement. Report of the Commission 3, pp. 529-50.
- 1895. Discussion on Bowley's "Changes in Average Wages (nominal and real), (1860-91)". Statistical Journal 58, p. 279.
- *— 1896. Cambridge Degrees for Women. A Letter issued to Members of the Senate of Cambridge. pp. 8.
- 1897. The Old Generation of Economists and the New. QJE 11, pp. 125-35.
- 1898. The Slow Progress of our Exports. Letters to The Times, 10th Nov. and 2nd Dec., 1898.
- 1898. Distribution and Exchange. EJ 8, pp. 37-59.
- 1899. Indian Currency : Evidence before Committee on. Minutes of Evidence, Part II [c. 9222] pp. 167-85, and Appendix [c. 9376], 64-9.
- 1899. Classification and Incidence of Imperial and Local Taxes : memorandum for Royal Commission on Local Taxation. Report of the Commission [c. 9528], pp. 112-26.
- *— 1900. Sidgwick, speech on. Cambridge University Reporter, 7th Dec., 1900.
- 1901. An Export Duty on Coal. Letters to The Times, 22nd April, 9th May, 1901.
- *— 1902. Economic Teaching at the Universities in Relation to Public Well-being. Paper at Conference of Members of Committee on Social Education, 24th October, 1902.
- *— 1902. Plea for Creation of Curriculum in Economics and Associated Branches of Political Science. Pamphlet issued to the Senate, Cambridge.
- 1903. The New Cambridge Curriculum in Economics. pp. 34.
- 1903. Fiscal Policy. Letter to Secretary, Unionist Free Trade League. The Times, 23rd Nov., 1903.
- *— 1903. Discussion on Proposal to Establish Economics Tripos at Cambridge. Cambridge University Reporter. 14th May, 1903. pp. 772-4.
- *— 1903. The Proposed New Tripos. Letter to the Cambridge Senate.
- *— 1904. A National Memorial to Herbert Spencer. Daily Chronicle, 23rd Nov., 1904.
- *— 1904. Discussion on Schuster's "Foreign Trade and the Money Market". Journal of Institute of Bankers 25, pp. 94-8.
- 1905. University Education for Business Men. Letters to the Times, 18th and 29th Dec., 1905.
- 1905. Education and the Classics. Letter to the Times, 3rd March, 1905.
- *— 1906. Introduction to the Tripos in Economics and Associated Branches of Political Science. pp. 16.
- 1907. The Social Possibilities of Economic Chivalry. EJ 22, pp. 7-29.

- MARSHALL, ALFRED. 1908. *The Fiscal Policy of International Trade*. House of Commons Paper, No. 321 of 1908. pp. 29.
- 1909. Rates and Taxes on Land Values. Letter to the Times, 16th Nov., 1909.
- 1910. Alcoholism and Efficiency. Letters to the Times, 7th July, 4th and 19th Aug., 1910.
- 1914. A Fight to a Finish. Letters to the Times, 20th and 25th Aug., 1914.
- 1914. Civilians in Warfare. Letter to the Times, 28th Oct., 1914.
- 1915. Milk in Germany : the Supply of Overseas Fats. Letters to the Times, 29th and 31st Dec., 1915.
- 1916. The Need for More Taxation. Letter to the Economist, 30th Dec., 1916.
- *— 1917. National Taxation after the War. "After-War Problems", pp. 313-45.
- 1917. The Uses of Hatred. Letter to the Times, 28th Dec., 1917.
- 1919, 1923. *Industry and Trade* (five editions). pp. 875.
- 1919. Premium Bonds. Letter to the Times, 17th Nov., 1919.
- 1923. Money, Credit and Commerce. pp. 369.
- 1926. *Official Papers of*. pp. 420.
- NICHOLSON, J. SHIELD. 1873, 1892. *Effects of Machinery on Wages*. pp. 143.
- 1885. State Management of Land. Industrial Remuneration Conference, London, 1885. pp. 10.
- 1887. Introductory Essay and Notes to "The Wealth of Nations" by Adam Smith.
- 1888, 1901. *A Treatise on Money and Essays on Monetary Problems*.
- 1889. Mr. Giffen's Attack on Bimetallists. *Nineteenth Century* 26, pp. 1014-23.
- 1890. Profit-Sharing. *Contemporary Review* 57, pp. 64-77.
- 1891. The Living Capital of the United Kingdom. *EJ* 1, pp. 95-107.
- 1891. Review of Gunton's "Principles of Social Economics". *EJ* 1, pp. 426.
- 1892. Tariffs and International Commerce. *The Britannic Confederation* (Edited by A. S. White), pp. 93-122.
- 1892. Capital and Labour : Their Relative Strength. *EJ* 2, pp. 478-90.
- 1893, 1902. *Principles of Political Economy* (three Volumes).
- 1893. The Indian Currency Experiment. *Contemporary Review* 64, pp. 339-50.
- 1893. The Reaction in favour of Classical Political Economy. *Statistical Journal* 56, pp. 627-39.
- 1893. The Reaction in favour of Classical Political Economy. *JPE* 2, pp. 119-32.

- NICHOLSON, J. SHIELD. 1898. *Scotch Banking*. JPE 1, pp. 487-502.
- 1894. *Historical Progress and Ideal Socialism*. British Association Lecture.
- 1894. *Effects of the Depreciation of Silver Currency with Special Reference to the Indian Currency Experiment*. EJ 5, pp. 59-69.
- 1894. *Measurement of Utility by Money*. EJ 4, pp. 342-7.
- 1894. *Political Economy and Journalism*. EJ 4, pp. 393-408.
- 1896. *Strikes and Social Problems*. pp. 236.
- 1897. *Inaugural Address to the Scottish Society of Economists*, Nov., 1897. EJ 7, pp. 538-49.
- 1902. *Banker's Money : a supplement to a Treatise on Money*.
- 1903. *Tariff Question with special reference to Wages and Employment*.
- * — 1903, 1906. *Elements of Political Economy*. pp. 538.
- 1903. *The Use and Abuse of Authority in Economics*. EJ 13, pp. 554-66.
- 1904. *The History of the English Corn Laws*. pp. 188.
- 1904. *Review of Agacy's "Free Trade, Dumping, Bounties and Preferential Duties"*. EJ 14, pp. 61-3.
- 1904. *Review of Gaskell's "Free Trade a Failure from the First"*. EJ 14, pp. 265-7.
- 1904. *Review of Dawson's "Protection in Germany"*. EJ 14, pp. 413-17.
- 1904. *Review of Caillard's "Imperial Fiscal Reform"*. EJ 14, pp. 56-60.
- 1904. *Review of Brassey's "Fifty Years of Progress and the New Fiscal Policy"*. EJ 14, pp. 264-5.
- 1904. *Review of Avebury's "Free Trade"*. EJ 14, pp. 417-18.
- 1904. *Review of Ashley's "Tariff Problem"*. EJ 14, pp. 63-5.
- 1905. *Rates and Taxes as affecting Agriculture*. Based on Gilbey lectures, Cambridge.
- 1905. *Review of W. Cunningham's "Rise and Decline of the Free Trade Movement"*. EJ 15, pp. 47-50.
- 1906. *The Relations of Rents, Wages and Profits in Agriculture*. Based on Gilbey lectures, Cambridge.
- 1906. *Review of Cunningham's "Growth of English Industry and Commerce during the Early and Middle Ages"*. EJ 16, pp. 78-83.
- 1907. *Review of Crozier's "Wheel of Wealth"*. EJ 17, pp. 87-91.
- 1909. *A Project of Empire : a critical study of the Economics of Imperialism with special reference to the ideas of Adam Smith*.
- 1909. *Review of Porritt's "Sixty Years of Protection"*. EJ 19, pp. 242-3.

- NICHOLSON, J. SHIELD. 1909. Review of Fisk's "International Commercial Policies". EJ 19, pp. 240-242
- 1909. Review of Conant's "History of Modern Banks of Issue". EJ 19, pp. 592-5.
- 1910. Economics of Imperialism. EJ 20, pp. 155-71.
- 1914. Indian Finance and Currency in Relation to the Gold Exchange Standard. EJ 24, pp. 236-47.
- 1914. Review of Barbour's "Influence of Gold Supply on Prices". EJ 24, pp. 261-2.
- 1915. The Neutrality of the United States in Relation to the British and German Empires. pp. 92.
- 1915. A Chapter in the Life of John Law (Review). EJ 25, pp. 389-94.
- 1916. Central Europe after the War. EJ 26, pp. 200-22.
- 1916. Friedrich List: The Prophet of the New Germany. EJ 26, pp. 92-7.
- 1916. Inflation of the Currency and Rise in Prices. EJ 26, pp. 425-40.
- 1916. Introduction to "Arbitration and Conciliation in Australasia, etc." by Mary Rankin.
- 1917. War Finance. pp. 480.
- 1917. Statistical Aspects of Inflation. Statistical Journal 80, pp. 467-94.
- 1919. Inflation. pp. 139.
- 1919. Review of Foxwell's "Papers on Current Finance". EJ 19, pp. 317-23.
- 1920. The Revival of Marxism. pp. 145.
- * — 1920. Adam Smith on Public Debts. EJ 30, pp. 1-12.
- 1921. Review of Salter's "Karl Marx and Modern Socialism". EJ 31, pp. 224-9.
- PATTEN, SIMON N. 1885. The Premises of Political Economy: being a Re-examination of certain fundamental principles of Economic Science. pp. 244.
- 1888. The Stability of Prices. American Econ. Assn. Publications, 3, pp. 64.
- 1888. Review of Clark's "Capital and Its Earnings". PSQ 3, pp. 539-42.
- 1888. Review of Lunt's "Present Condition of Economic Science". PSQ 3, pp. 687-90.
- 1889. Malthus and Ricardo. American Economic Assn. Publications, 4, pp. 69.
- 1889. The Principles of Rational Taxation. Social Science Association of Philadelphia. pp. 25.
- 1889. The Consumption of Wealth. University of Pennsylvania Publications. Political Economy and Public Law Series i, No. 4, pp. 70.

- PATTEN, SIMON N. 1889. The Fundamental Idea of Capital. QJE 3, No. 2, pp. 188-203.
- 1889. President Walker's Theory of Distribution. QJE 4, No. 1, pp. 34-40.
- 1889. The Margin of Cultivation. QJE 3, No. 3, pp. 356-8.
- 1889. Malthus and Ricardo. American Econ. Assn. Publications, Series i, 4, p. 331.
- 1890. The Educational Value of Political Economy. American Economic Assn. Publications, 5, No. 6, pp. 86.
- 1890. The Decay of Local Government in America. AAA 1, pp. 26-42.
- *— 1890, 1891. The Educational Value of Political Economy. American Econ. Assn. Publications, Series i, 5, p. 473; 6, pp. 100, 114.
- 1890. Wells' Recent Economic Changes. PSQ 5, pp. 84-103.
- 1890. Review of Neumann's "Grundlagen der Volkswirtschaftslehre". PSQ 5, pp. 169-70.
- *— 1891. Die Bedeutung der Lehre vom Grenznutzen. CJB 2, pp. 481-534.
- *— 1891. Another View of the Ethics of Land Tenure: reply to J. B. Clark. International Journal of Ethics, 1, pp. 354-70.
- 1891. The Need of New Economic Terms. QJE 5, No. 3, pp. 372-4.
- 1891. The Economic Basis of Prohibition. AAA 2, pp. 59-68.
- 1891. Review of Laveleye's "Luxury". PSQ 6, pp. 578-9.
- 1892. The Theory of Dynamic Economics. University of Pennsylvania Publications, Political Economy and Public Law Series, 3, No. 2, pp. 154.
- 1892. Economic Causes of Moral Progress. AAA 3, pp. 126-49.
- 1892. Cost and Utility. AAA 3, pp. 409-28.
- 1893. Cost and Expense. AAA 3, pp. 703-35.
- *— 1893. The Scope of Political Economy. YR 2, pp. 264-87.
- 1893. Some Explanations relating to the "Theory of Dynamic Economics". QJE 3, No. 2, pp. 177-86.
- 1893. The Interpretation of Ricardo. American Economic Assn. Publications, Series i, 8, p. 77.
- 1893. The Interpretation of Ricardo. QJE 7, No. 3, pp. 322-52.
- 1893. The Ultimate Standard of Value. American Econ. Assn. Publications, Series i, 8, p. 86.
- 1894. The Beginning of Utility. AAA 5, pp. 257-60.
- 1894. Economics in Elementary Schools. AAA 5, pp. 461-89.
- 1894. The Failure of Biologic Sociology. AAA 4, pp. 919-47.
- 1894. The Organic Concept of Society. AAA 5, pp. 404-9.
- 1895. The Economic Basis of Protection. pp. 144.
- 1895. The Law of Population Restated. PSQ 10, pp. 44-61.

- PATTEN, SIMON N. 1895. *Relation of Economics to Sociology*. AAA 5, pp. 577-83.
- 1895. *Relation of Abstract to Concrete Sciences*. AAA 5, pp. 942-8.
- *— 1896. *The Theory of Social Forces*. American Academy of Political and Social Science, Supplement to the Annals. pp. 152.
- 1896. *The Relation of Sociology to Psychology*. American Academy of Political and Social Science Publications, No. 184, pp. 28.
- *— 1896. *The Formulation of Normal Laws with Special Reference to the Theory of Utility*. American Economic Assn. Publications, Economic Studies Suppt. 1, pp. 126, 129.
- 1896. *The Theory of Social Forces*. AAA 7, July Suppt.
- 1896. *The Relation of Sociology to Psychology*. AAA 8, pp. 433-60.
- 1896. *The Formulation of Normal Laws*. AAA 7, pp. 426-49.
- 1897. *Over-Nutrition and Its Social Consequences*. AAA 10, pp. 33-53.
- *— 1902. *The Theory of Prosperity*. pp. 237.
- 1903. *Heredity and Social Progress*. pp. 214.
- 1904. *The Development of English Thought: a Study in the economic interpretation of History*. pp. 415.
- 1904. *The Present Problems in the Economic Interpretation of History*. AAA 24, pp. 540-55.
- 1907. *The New Basis of Civilization*. American Social Progress Series, No. 1. pp. 220.
- *— 1908. Presidential Address to Am. Econ. Assn., "Making of Economic Literature." Economic Bulletin.
- 1908. *The Conflict Theory of Distribution*. YR 17, pp. 156-84.
- 1908. *Political Significance of Recent Economic Theories*. AAA 32, pp. 82-94.
- 1911. *The Social Basis of Religion*. pp. 247.
- 1912. *Reconstruction of Economic Theory*. Annals of the American Academy of Political and Social Science 44, No. 133, pp. 99.
- 1912. *Theories of Progress*. AER 2, pp. 61-8.
- 1913. *The Standardization of Family Life*. AAA 48, pp. 81-90.
- 1913. Review of Filwood's "Sociology in its Psychological Aspects". AER 3, pp. 85-9.
- 1914. *The Evolution of A New Woman*. AAA 56, pp. 111-21.
- 1914. *A Revision of American Policies*. AAA 54, pp. 191-200.
- 1915. *The Financial Menace to America of the European War*. AAA 60, pp. 123-9.
- 1916. *Culture and War*. pp. 62.
- 1916. *Taxation after the War*. AAA 64, pp. 210-15.

- PATTEN, SIMON N. 1916. *The Basis of National Security*. AAA 66, pp. 1-11.
- * — 1917. *Problems of War Finance*. YR New Series 7, pp. 73-89.
- 1917. *The Mechanism of the Mind*. AAA 71, pp. 202-15.
- 1917. *Peace without Force*. AAA 72, pp. 31-9.
- 1918. *Mandeville in the Twentieth Century*. AER 8, pp. 88-98.
- 1918. *Liquidation Taxes*. AAA 75, pp. 165-81.
- 1918. *The To-morrow of Finance*. AAA 76, pp. 257-71.
- 1918. *The Fallacy of Price Bidding*. AAA 68, pp. 129-43.
- 1919. *Making National Debts National Business*. AAA 82, pp. 39-51.
- * — 1924. *Essays in Economy Theory*. pp. 399.
- PIGOU, A. C. 1900. Review of Phipson's "*Science of Civilization*". EJ 10, pp. 528-7.
- 1901. Review of Ely's "*Outlines of Economics*." EJ 11, pp. 391-2.
- 1901. Review of Despatches and Correspondence of John, 2nd Earl of Buckinghamshire, etc. EJ 11, pp. 77.
- 1901. Review of The Cely Papers. EJ 11, pp. 76-7.
- 1901. Review of Willoughby's "*Social Justice*". EJ 11, pp. 75-6.
- 1901. Review of Vincent's "*Government in Switzerland*". EJ 11, pp. 202-3.
- 1902. *A Parallel between Economic and Political Theory*. EJ 12, pp. 274-7.
- 1902. Review of Jones' "*Economic Crises*". EJ 12, pp. 374-5.
- 1902. Review of Clark's "*Control of Trusts*". EJ 12, pp. 63-7.
- 1902. Review of Patten's "*Theory of Prosperity*". EJ 12, pp. 370-3.
- 1902. Review of Sewall's "*Theories of Value before Adam Smith*". EJ 12, pp. 374-5.
- 1902. *A Point of Theory connected with the Corn Tax*. EJ 12, pp. 415-20.
- 1903. *Riddle of the Tariff*. pp. 107.
- 1903. *Some Remarks on Utility*. EJ 13, pp. 58-68.
- 1903. *Free Trade and its Critics*. Fortnightly Review 73, p. 543.
- 1903. Review of Burton's "*Financial Crises and Periods of Industrial and Commerical Depression*". EJ 13, pp. 73-4.
- 1904. *Pure Theory and the Fiscal Controversy*. EJ 14, pp. 29-33.
- 1904. *Monopoly and Consumer's Surplus*. EJ 14, pp. 388-94.
- 1904. *The Known and the Unknown in Mr. Chamberlain's Policy*. Fortnightly Review 75, pp. 35-48.

- PIGOU, A. C. 1904. Review of Graham's "Free Trade and the Empire". EJ 14, pp. 267-8.
- *— 1905. Principles and Methods of Industrial Peace. pp. 240.
- 1905. Professor Dietzel on Dumping and Retaliation. EJ 15, pp. 436-43.
- 1906. Protective and Preferential Import Duties. pp. 117.
- 1906. Mr. L. L. Price on Free Trade Assumptions. ER 16, pp. 328-9.
- 1906. The Unity of Political and Economic Science. EJ 16, pp. 372-80.
- 1907. The Incidence of Import Duties. EJ 17, pp. 289-94.
- 1907. Social Improvement and Modern Biology. EJ 17, pp. 358-69.
- 1907. Review of Fontano-Russo's *Emigrazione di Uomini ed Esportazione di Merci*". EJ 17, p. 114.
- 1907. Review of Fontano-Russo's "*Trattato di Politica Commerciale*". EJ 17, pp. 414-15.
- 1907. Review of Gerbino's "*Commercio Internazionale*". EJ 17, pp. 262-3.
- 1907. Review of Marshall's "*Principles of Economics*" (5th edition). EJ 17, pp. 532-5.
- 1907. Review of Pierce's "*Tariff and the Trusts*". EJ 17, pp. 263-4.
- 1908. Economic Science in Relation to Practice. Inaugural Lecture given at Cambridge.
- 1908. Equilibrium under Bilateral Monopoly. EJ 18, pp. 205-20.
- 1908. Review of Jannaccone's "*L'Imposta sul Trasporto degli Emigranti*". EJ 18, p. 95.
- 1909. Economic Aspect of the Problem of the Feeble-minded (short paper). Report of Royal Commission on Care and Control of Feeble-minded.
- 1910. Producer's and Consumer's Surplus. EJ 20, pp. 358-70.
- 1910. A Method of Determining the Numerical Value of Elasticities of Demand. EJ 20, pp. 636-40.
- 1912. Wealth and Welfare (Bibliography and footnotes). pp. 493.
- 1913. Unemployment (Bib. 248-53). pp. 236.
- 1913. The Interdependence of Different Sources of Demand and Supply in a New Market. EJ 23, pp. 19-24.
- QJE 27, No. 3, pp. 535-6, 687-92.
- (with F. W. TAUSSIG). 1913. Railway Rates and Joint Cost.
- 1913. A Minimum Wage for Agriculture. *Nineteenth Century* 74, pp. 1167-84.
- 1914. Some Aspects of the Housing Problem. Warburton Lecture, Manchester University, 1914.

- PIGOU, A. C. 1914. Some Aspects of the Problem of Charity. The Heart of Empire. pp. 236-61.
- 1915. Sources and Methods of Paying for the War. Contemporary Review, 108, pp. 706-17.
- * — 1916. Economics and Finance of War : being a discussion of the real costs of war and the way in which they should be met. pp. 96.
- 1916. Interest after the War and the Export of Capital. EJ 26, pp. 413-24.
- 1916. The Distribution of the Burden of War Charges. Contemporary Review, 109, pp. 429-36.
- 1916. Labour Problems after the War. Contemporary Review, 110, pp. 334-45.
- 1917. Economics of the War Loan. EJ 27, pp. 16-25.
- 1917. The Value of Money. QJE 32, pp. 38-65.
- 1917. The Reorganization of Industry, Commerce and Finance. Monthly Labor Review, U.S.A., 5, pp. 129-31.
- 1918. A Special Levy to discharge War Debt (with Bernard Shaw). EJ 28, pp. 135-56.
- 1918. Taxation of Capital. EJ 28, pp. 345-9.
- 1918. Government Control in War and Peace. EJ 28, pp. 363-74.
- 1918. A Plea for Higher Income Tax. Contemporary Review, 113, pp. 35-50.
- 1919. Marshall's "Industry and Trade". EJ 29, pp. 443-50.
- 1919. The Burden of War and Future Generations. QJE 33, pp. 242-55.
- 1920. The Economics of Welfare. pp. 976.
- 1920. A Capital Levy and a Levy on War Wealth. pp. 62.
- 1920. Co-operative Societies and Income Tax. EJ 30, pp. 156-62.
- 1920. Report of the Royal Commission on the British Income Tax. QJE 34, pp. 607-25.
- 1920. Some Problems of Foreign Exchange. EJ 30, pp. 460-72.
- 1920. The Problem of the Currency. Contemporary Review, 117, pp. 169-76.
- 1921. Political Economy of War. pp. 251.
- 1921. Real Ratio of International Exchange. Manchester Guardian Reconstruction Supplement.
- 1921. Unemployment. Contemporary Review, 120, pp. 737-42.
- 1921. Review of Keynes' "Treatise on Probability". EJ 31, pp. 507-12.
- 1922. Empty Economic Boxes : A Reply to Dr. Clapham. EJ 32, pp. 458-65.
- 1922. The Foreign Exchanges. QJE 37, pp. 52-74.

- PIGOU, A. C. 1922. Long and Short Hirings. *Contemporary Review* 112, pp. 324-31.
- 1922. Mr. and Mrs. Webb on Consumers' Co-operation. *EJ* 32, pp. 53-7.
- 1922. The Private Use of Money. *Contemporary Review*, 121, pp. 452-60.
- 1922. Trade Boards and the Cave Committee. *EJ* 32, pp. 315-24.
- 1923. Essays in Applied Economics. pp. 198.
- 1923. Eugenics and Some Wage Problems. *Eugenics Review*, 15, pp. 305-12.
- 1923. Prices and Wages from 1896-1914. *EJ* 33, pp. 163-71.
- 1924. Poetry and Philosophy. *Contemporary Review*, 125, pp. 735-44.
- 1925. Memorials of Alfred Marshall (Bibliography by Keynes, 500-8). pp. 519.
- 1925. Professor Edgeworth's Collected Papers. *EJ* 35, pp. 177-85.
- 1925. Problems of Compensation. *EJ* 35, pp. 568-82.
- 1926. Industrial Fluctuations. pp. 397.
- 1926. A Contribution to the Theory of Credit (Review). *EJ* 36, pp. 215-27.
- 1927. Preis- und Produktionsstabilisierung in einzelnen Produktionszweigen. *ASS* 58, pp. 225-37.
- 1927. Industrial Fluctuations. pp. xxii + 397.
- 1927. Wage Policy and Unemployment. *EJ* 37, pp. 355-68.
- 1928. A Study in Public Finance. pp. xvii + 323.
- 1928. An Analysis of Supply. *EJ* 38, pp. 238-57.
- 1929. The Economics of Welfare, 3rd Edn. pp. xxxi + 835.
- 1929. Industrial Fluctuations, 2nd Edn. pp. 425.
- 1929. The Monetary Theory of the Trade Cycle. *EJ* 39, pp. 183-94.
- 1929. Disturbances of Equilibrium in International Trade. *EJ* 39, pp. 344-56.
- SIDGWICK, HENRY. 1871. Verification of Beliefs. *Contemporary Review*, 17, pp. 582-91.
- 1876. Idle Fellowships. *Contemporary Review* 27, pp. 679-94.
- 1880. Historical Psychology. *Nineteenth Century*, 7, pp. 353-60.
- 1883. The Principles of Political Economy. pp. 591.
- 1885. The Scope and Method of Economic Science. *British Association Address*. pp. 57.
- 1885. Economic Science and Statistics. *Statistical Journal*, 48, pp. 595-616.
- 1885. The Scope and Methods of Economic Science. *British Assn. Address, Economics and Statistics Section*.

- SIDGWICK, HENRY. 1888. *Preface to "The English Poor Law System: Past and Present"*. by P. F. Aschrott, trans. Herbert Preston.
- 1891. *The Elements of Politics*. pp. 665.
 - 1895. *Economic Lessons of Socialism*. EJ 5, pp. 336-46.
 - 1895. Letter to Editor on Smith's "Relation between Local and Imperial Taxation". EJ 15, pp. 411-12.
 - 1896. Review of Gidding's "Principles of Sociology". EJ 6, pp. 426-31.
 - 1899. Review of Gidding's "Elements of Sociology". EJ 9, pp. 411-16.
 - 1903. *The Development of European Polity*. pp. 448.
 - * — 1905. *Miscellaneous Essays and Addresses*. pp. 374.
- TAUSSIG, F. W. 1884. *Protection to Young Industries as applied in the United States: a study in economic history*. pp. 72.
- 1885. *The History of the Present Tariff 1860-1883 (Questions of the Day Series)*. Bibliography p. ix, pp. 112.
 - 1887. *The South-Western Strike of 1886*. QJE 1, pp. 184-222.
 - 1887. *Workmen's Insurance in Germany*. QJE 2, No. 1, pp. 111-34.
 - 1888. *The Early Protective Movement and the Tariff of 1828*. PSQ 3, pp. 17-45.
 - 1888. *The Tariff Act, 1830-60*. QJE 2, No. 3, pp. 314-46.
 - 1888. *The Tariff of 1828*. PSQ 3, pp. 17-45.
 - 1888. *A Suggested Rearrangement of Economic Study*. QJE 2, No. 2, pp. 228-32.
 - 1889. *Some Aspects of the Tariff Question*. QJE 3, No. 3, pp. 259-92.
 - 1890. *The Duties on Wool and Woollens*. QJE 8, pp. 1-39.
 - 1890. *The Silver Situation in the United States*. QJE 4, No. 3, pp. 291-315.
 - 1891. *A Contribution to the Theory of Railway Rates*. QJE 5, No. 4, pp. 438-65.
 - * — 1891. *A Contribution to the Theory of Railroad Rates*. American Economic Assn., Series i, 6, pp. 52, 56, 61.
 - 1891. *The McKinley Tariff Act*. EJ 1, pp. 326-50.
 - * — 1892. *The Silver Situation in the United States*. American Economic Association Publications 7, No. 1, pp. 118.
 - 1892. *Reciprocity*. QJE 7, No. 1, pp. 26-39.
 - 1892. *The Working of the Silver Act in the U.S.* EJ 2, pp. 362-9.
 - * — 1892. *The Silver Situation in the United States*. American Economic Assn. Publications, Series i, 7, p. 1.
 - 1893. *The Silver Situation in the United States*. Questions of the Day Series. pp. 134.

- TAUSSIG, F. W. 1893. Results of Recent Investigations on Prices in the United States. American Stats. Assn. Publications 3, pp. 487-91.
- 1893. Value and Distribution as Treated by Professor Marshall. American Economic Assn. Publications, Series i, 8, p. 95.
- * — 1893. Why Silver ceases to be Money. Popular Science Monthly 43, pp. 577-85.
- 1893. Recent Literature on Protection. QJE 7, No. 2, pp. 162-76.
- 1893. The Crisis in the United States and the Repeal of Silver Purchase. EJ 3, pp. 733-45.
- 1893. The Duties on Wool and Woollens. QJE 8, No. 1, pp. 1-39.
- 1893. The Homestead Strike. EJ 3, pp. 307-18.
- 1893. The Interpretation of Ricardo. American Economic Assn. Publications, Series i, 8, pp. 80.
- * — 1893. Results of Recent Investigations on Prices in the United States. YR 2, pp. 231-47.
- 1893. Introduction to State Papers and Speeches on the Tariff. pp. iii-vii.
- 1893. Review of: Elliott's "Tariff Controversy in the United States. PSQ 8, pp. 151-2.
- 1893. Review of: Suess' "Zukunft des Silbers". PSQ 8, pp. 365-7.
- 1893. Review of: Cannan's "History of Theories of Production and Distribution", 1st ed. PSQ 8, pp. 561-3.
- 1894. The Tariff Act of 1894. PSQ 9, pp. 585-609.
- 1894. The Wages Fund Doctrine in the Hands of the German Economists. QJE 9, No. 1, pp. 1-25.
- 1894. New United States Tariff. EJ 4, pp. 573-94.
- 1894. Recent Discussions on Railway Rates in Prussia. QJE 9, No. 1, pp. 77-87.
- 1894, 1899. Review of: Nicholson's "Principles of Political Economy". PSQ 9, pp. 303-6; 14, pp. 174-7.
- 1895. The Tariff History of the United States. pp. 344.
- 1895. Wages and Capital: An examination of the Wages Fund Doctrine. pp. 329.
- 1895. Rabbeno's "American Commercial Policy". QJE 10, 102-9.
- 1895. The Employer's Place in Distribution. QJE 10, No. 1, pp. 67-94.
- 1895. Review of: Rabbeno's "American Commercial Policy". EJ 15, pp. 398-401.
- 1895. Review of Loria's "Problemi Sociali Contemporanei". PSQ 10, pp. 537-8.
- 1895. Review of Contento's "Teoria del Salario". PSQ 10, pp. 338-40.

- TAUßSIG, F. W. 1896. The International Silver Situation. *QJE* 11, No. 1, pp. 1-35.
- *— 1896. The Practicability and Desirability of a Double Standard of Currency. American Econ. Assn. Publications, Economic Studies, 1, Suppt., pp. 79, 92.
- 1897. The United States Tariff Act of 1897. *EJ* 7, pp. 592-8.
- 1897. The Tariff Act of 1897. *QJE* 12, No. 1, pp. 42-69.
- 1899. The United States Treasury in 1894-6. *QJE* 13, No. 2, pp. 204-18.
- 1899. Taxation of Securities. *PSQ* 14, p. 102.
- 1899. Review of Miller's "Money and Bimetallism". *PSQ* 14, pp. 332-3.
- 1900. The Currency Act of 1900. *QJE* 14, No. 3, pp. 394-415.
- 1900. The Iron Industry in the United States : I. A Survey of Growth. *QJE* 14, No. 2, pp. 143-70.
- 1900. The Iron Industry in the United States : II. The Working of Protection. *QJE* 14, No. 4, pp. 475-508.
- 1900. The United States Currency Acts of 1900. *EJ* 10, pp. 226-32.
- 1900. Review of Wyckoff's "The Workers". *EJ* 10, pp. 75-8.
- 1900. Review of Bonar's "Letters of David Ricardo to Hutches Trower". *PSQ* 15, pp. 725-8.
- 1900. Review of Flynt's "Tramping with Tramps". *EJ* 10, pp. 75-8.
- 1901. Review of Jones' "Economic Crises". *PSQ* 16, pp. 161-3.
- 1904. The End of Sugar Bounties. *QJE* 18, No. 1, pp. 130-4.
- *— 1904. Introduction to Dunbar's "Economic Essays". pp. i-xviii.
- 1904. Review of Stanwood's "American Tariff Controversies". *PSQ* 19, pp. 302-5.
- 1905. Present Position of the Doctrine of Free Trade : Presidential Address. Papers and Proceedings of 17th Annual Meeting American Econ. Association Publications, 3rd Series, 6, No. 1, pp. 29-65.
- 1905. Schmoller on Protection and Free Trade. *QJE* 19, No. 3, pp. 501-11.
- 1906. The Love of Wealth and the Public Service : Presidential Address. American Economic Assn. Publications, Series iii, 7, p. 1.
- 1906. Wages and Prices in Relation to International Trade. *QJE* 20, pp. 497-522.
- 1906. Seligman's "Principles of Economics" (Review). *QJE* 20, pp. 622-33 ; 21, pp. 151-66.
- 1907. The Massachusetts Inheritance Tax of 1907. *QJE* 22, No. 1, pp. 128-31.
- 1908. Capital, Interest and Diminishing Returns. *QJE* 22, pp. 333-63.

- *TAUSSIG, F. W. 1908. Sugar: A Lesson on Reciprocity and the Tariff. *Atlantic Monthly* 101, pp. 334-44.
- 1908. Review of Clark's "Essentials of Economic Theory". *JPE* 16, pp. 38-42.
- 1909. The Burden of the Sugar Duty. *QJE* 23, pp. 548-53.
- 1909. The Tariff Debate of 1909 and the New Tariff Act. *QJE* 29, No. 1, pp. 1-39.
- *— 1910. Outlines of a Theory of Wages. American Economic Assn. Publications, Series iii, 9, p. 136.
- 1911. Principles of Economics (2 vols.). pp. 544.
- 1911. How Tariffs Should not be Made. *AER* 1, pp. 20-32.
- 1911. Reciprocity with Canada. *JPE* 19, pp. 542-9.
- 1912. The Conduct of a Seminar in Economics. *JPE* 20, pp. 163-8.
- 1912. Beet Sugar and the Tariff. *QJE* 26, No. 2, pp. 189-214.
- 1912. Report of the Tariff Board on Wool and Woollens. *AER* 2, pp. 257-68.
- 1912. Review of Tabell's "Tariff in our Times". *AER* 2, pp. 132-4.
- 1912. Review of Moore's "Law of Wages". *QJE* 26, No. 3, pp. 511-18.
- 1912. Review of Blakey's "Beet-Sugar Industry and Tariff". *AER* 2, pp. 919-21.
- 1912. Review of Dyer and Martin's "Life of Edison". *QJE* 26, pp. 776-81.
- 1913. The Tariff Act of 1913. *QJE* 28, No. 1, pp. 1-30.
- 1913. The Plan for a Compensated Dollar. *QJE* 27, No. 3, pp. 401-16.
- (with A. C. Pigou). 1913. Railway Rates and Joint Cost. *QJE* 27, No. 3, pp. 536-8, 692-4.
- 1913. Railway Rates and Joint Cost Once More. *QJE* 27, No. 2, pp. 378-84.
- 1914. Abraham Lincoln on the Tariff. A Myth. *QJE* 18, pp. 814-20.
- 1915. Inventors and Money-makers. pp. 138.
- 1915. Some Aspects of the Tariff Question. *Harvard Economic Studies* 12, pp. 374.
- 1915. Die Amerikanische Seidenindustrie unter dem Einfluss des Schutzzolles. *ASS* 39, pp. 410-37.
- 1915. Abraham Lincoln and the Tariff: A Sequel. *QJE* 29, pp. 426-9.
- 1915. Two Biographies of Inventors (Review). *QJE* 29, pp. 642-6.
- 1915. Review of Brown's "International Trade and Exchange". *JPE* 23, pp. 620-2.
- 1916. Minimum Wages for Women. *QJE* 30, pp. 411-42.

- TAUSSIG, F. W. 1916. Price Maintenance. AER Supplement 6, No. 1, pp. 170-84.
- 1916. Review of Donald's "Canadian Iron and Steel Industry". AER 6, pp. 162-3.
- 1917. International Trade under Depreciated Paper. QJE 31, p. 380.
- 1917. Exhaustion of the Soil and the Theory of Rent. QJE 31, pp. 345-8.
- 1917. The War Tax of 1917. QJE 32, pp. 1-37.
- 1917. Trade Under Depreciated Paper. QJE 31, pp. 380-403.
- 1917. Review of Kleene's "Profit and Wages". QJE 31, pp. 705-10.
- 1917. Review of Girault's "Colonial Tariff Policy of France". AER 7, pp. 155-8.
- 1918. The Financial Situation: A General Survey. AAA 75, pp. 1-11.
- (and WICKSELL, K.). 1918. International Freights and Prices. QJE 32, pp. 404-14.
- 1918. How to Promote Foreign Trade. QJE 32, pp. 417-45.
- 1918. International Trade under Depreciated Paper. QJE 32, 674-94.
- 1919. Price-Fixing as Seen by a Price-Fixer. QJE 33, pp. 205-41.
- 1919. The Present and Future of the International Trade of the United States. QJE 34, pp. 1-21.
- 1920. Free Trade: The Tariff and Reciprocity. pp. 219.
- 1920. Germany's Reparation Payments. AER Supplement, 10, No. 1, pp. 33-49.
- 1920. Review of Keynes' "Economic Consequences of the Peace". QJE 34, pp. 381-7.
- 1920. Review of Friedman's "International Commerce and Reconstruction". AER 10, pp. 596-7.
- 1921. Selected Readings in International Trade and Tariff Problems. pp. 566.
- 1921. The Lincoln Tariff Myth Finally Disposed of. QJE 35, pp. 500-1.
- 1921. Is Market Price Determinate? QJE 35, pp. 394-411.
- 1922. The Tariff Act of 1922. QJE 37, pp. 1-28.
- 1922. Review of Gregory's "Tariffs: A Study in Method". AER 12, pp. 152-3.
- 1923. A Contribution to the Study of Cost Curves. QJE 38, pp. 173-6.
- 1924. Canada's Balance of International Indebtedness, 1900-13 (Reviews). Weltw. Arch. 20, pp. 650-6.
- 1924. Alfred Marshall. QJE 39, pp. 1-14.
- 1924. Labor Costs in the United States Compared with Costs Elsewhere. QJE 39, pp. 96-114.

- TAUSSIG, F. W. 1924. Review of Wright's "Sugar in Relation to the Tariff". AER 14, pp. 561-4.
- 1924. Review of Bruwer's "Protection in South Africa". AER 14, pp. 360.
- 1925. Great Britain's Foreign Trade Terms after 1900. EJ 35, pp. 1-10.
- 1926. Die Zolltarifkommission der Vereinigten Staaten und der Zolltarif. ASS 52, pp. 519-29.
- 1926. The United States Tariff Commission. AER 16, No. 1, Suppt., pp. 171-81.
- *— 1926. Review of Smith's "Tariff on Wool". American Statistical Assn. Publications 21, pp. 497-9.
- 1928. Deutschlands internationaler Handel und das Reparationsproblem. ASS 60, pp. 225-50.
- WALKER, FRANCIS A. 1873. Some Results of the Census of 1870. Am. Social Science Association, Boston, 15th May, 1873.
- 1875. The Wage-Fund Theory. pp. 35.
- 1876. The Wages Question. pp. 415.
- 1880. Money in its relations to Trade and Industry. pp. 339.
- 1883. Political Economy. pp. 524.
- 1883. Land and its Rent. pp. 220.
- 1884. A Brief Political Economy. Abridged from Manual of Political Economy, 3rd edn., pp. 415.
- 1887-8. The Source of Business Profits. QJE 1, No. 3, pp. 265-88; 2, pp. 263-96.
- 1888. The Manual Laboring Class. American Economic Association Publications 3, No. 3, pp. 86.
- 1888. Money. pp. 550.
- 1888. A Reply to Mr. Macvane; on the source of business profits. QJE 2, No. 3, pp. 263-96.
- *— 1888. The Knights of Labour. New Princetown, September.
- 1888. Eleventh Census of the United States. QJE 2, No. 2, pp. 135-61.
- 1888. Efforts of the Manual Laboring Class to Better their Condition: Presidential Address. American Econ. Assn. Publications, Series i, 3, p. 157.
- 1888. The Bases of Taxation. PSQ 3, pp. 1-16.
- 1889. Recent Progress of Political Economy in the United States: Presidential Address. American Econ. Assn. Publications, Series i, 4, p. 245.
- 1890. First Lessons in Political Economy. pp. 329.
- 1890. Protection and Protectionists. QJE 4, No. 3, pp. 245-75.
- *— 1891. The Tide of Economic Thought: Presidential Address. American Economic Assn. Publications, Series i, 6, pp. 13.
- *— 1891. Economic Aspects of Technical Education. American Economic Assn. Series i, 6, pp. 115.

- WALKER, FRANCIS A. 1891. *The Doctrine of Rent and the Residual Claimant Theory of Wages*. QJE 5, No. 4, pp. 417-37.
- *— 1891. *A Contribution to the Theory of Railroad Rates*. American Economic Assn. Publications, Series 1, 6, p. 62.
- 1892. *Immigration*. YR 1, pp. 125-45.
- 1892. *Dr. Boehm-Bawerk's Theory of Interest*. QJE 6, No. 4, pp. 399-416.
- 1893. *Value of Money*. QJE 8, No. 1, pp. 62-76.
- 1893. *The Free Coinage of Silver*. JPE 1, pp. 163-78.
- 1893. *The Endowment Craze*. American Economic Assn. Publications, Series 1, 8 pp. 117, 120.
- 1894. *The Value of Money*. American Economic Assn. Publications, Series 1, 9, pp. 49.
- *— 1895. *The Making of the Nation : 1783-1817*.
- 1895. *Double Taxation in the United States*. Columbia University Studies in History, Economics and Public Law : 5, No. 1, pp. 132.
- 1895. *The Quantity Theory of Money*. QJE 9, No. 4, pp. 372-9.
- 1896. *The Relation of Changes in the Volume of the Currency to Prosperity*. American Econ. Assn. Publications, Economic Studies, 1, p. 23.
- 1896. *The Monetary Question and the United States*. National Review 27, pp. 783-92.
- 1896. *The Relation of Changes in the Volume of the Currency to Prosperity*. American Economic Association, Economic Studies, 1, No. 1, pp. 46.
- 1896. *International Bimetallism*. pp. 298.
- 1897. *Address at Meeting of American Stats. Assn. at Washington 1896*. American Statistics Assn. Publications 5, pp. 179-87.
- *— 1899. *Discussions in Economics and Statistics*. pp. 454.
- *— 1904. *Monopolistic Combinations in the German Coal Industry*. American Economic Association, Economic Studies 5, No. 3, pp. 340.
- YOUNG, ALLYN A. 1900. *The Comparative Accuracy of Different Forms of Quinquennial Age Groups*. American Statistical Assn. Publications 7, pp. 27-39.
- 1901. *The Enumeration of Children*. American Statistical Assn. Publications 7, pp. 227-69.
- 1902. *Review of Patten's "Theory of Prosperity"*. JPE 11, pp. 137-41.
- 1902. *Review of Landry's "L'Utilité Sociale de la Propriété individuelle"*. JPE 10, pp. 631-3.
- 1905. *The Birth Rate in New Hampshire*. American Statistical Assn. Publications 9, pp. 269-91.
- 1909. *California Vital Statistics*. American Statistics Assn. 11, pp. 543-9.

- YOUNG, ALLYN A. 1909. Review of Zartman's "Investments of Life Insurance Companies". PSQ 24, pp. 148-9.
- 1911. Mr. Malloch as Statistician and British Income Statistics (Review). QJE 25, pp. 876-86.
- 1911. Some Limitations of the Value Concept. QJE 25, No. 3, pp. 409-28.
- 1911. Review of Thaller's "Syndicats Financier d'Emission". AER 1, pp. 583-7.
- 1911. Review of Warschauer's "Mongraphische Darstellung der Aktiengesellschaften". AER 1, pp. 588-7.
- 1911. Review of Wicksteed's "Commonsense of Political Economy". AER 1, pp. 78-80.
- 1911. Review of Webb's "New Dictionary of Statistics". AER 1, pp. 890-1.
- 1911. Review of Lavergne's "Théorie des Marchés Economiques". AER 1, pp. 549-50.
- 1911. Review of Small's "Meaning of Social Science". AER 1, pp. 811-12.
- 1912. Jevons's "Theory of Political Economy". AER 2, pp. 576-89.
- 1912. Review of Burton's "Co-operation and the State". AER 2, pp. 643-5.
- 1912. Review of Wyman's "Control of the Market". AER 2, pp. 643-5.
- 1912. Review of Yule's "Introduction to Theory of Statistics". AER 2, pp. 174-6.
- 1913. Street Car Transportation in St. Louis. AER 3, pp. 712-14.
- 1913. Vote on the Single Tax in Missouri. AER 3, pp. 203-6.
- 1913. Review of Liesse's "La Statistique". AER 3, pp. 705-6.
- 1913. Review of Pigou's "Wealth and Welfare". QJE 27, pp. 672-86.
- 1913. Review of Mueller's "Einführung in die Statistik". AER 3, pp. 705-6.
- 1913. Review of Savorgnan's "Distribuzione dei Redditi nelle Provincie e nelle Grandi Citta dell' Austria". AER 3, pp. 182-4.
- 1914. Depreciation and Rate Control. QJE 28, pp. 630-63.
- 1914. Review of Van Hise's "Concentration and Control". JPE 22, pp. 400-1.
- 1914. Review of Young's "Foreign Companies and Other Corporations". AER 4, pp. 391-3.
- 1914. Review of Einaudi's "Intorno al concetto di Reddito Imponibile e un Sistema d'imposte sul reddito consumato". AER 4, pp. 679-80.
- 1914. Review of Haney's "Business Organisation and Combination". JPE 22, pp. 276-7.

- YOUNG, ALLYN A. 1915. The Sherman Act and the New Anti-Trust Legislation. JPE 23, pp. 201-20, 305-26, 417-36.
- 1915. Depreciation and Rate Control. QJE 29, pp. 378-87.
- 1915. Depreciation and Rate Control: Concluding Comments. QJE 29, pp. 395-400.
- 1915-17. Periodical Abstracts. AER 5-7, *passim*.
- 1916. Review of Nearing's "Income". QJE 30, pp. 575-87.
- 1916. Review of King's "Wealth and Income". QJE 30, pp. 575-87.
- 1916. Review of Brinton's "Graphic Methods for Presenting Facts". AER 6, pp. 181-2.
- 1917. Do the Statistics of the Concentration of Wealth in the United States mean what they are commonly assumed to mean? AER Supplement 7, No. 1, pp. 144-56.
- 1917. Do the Statistics of the Concentration of Wealth in the United States mean what they are commonly supposed to mean? American Statistics Assn. Publications 15, pp. 471-84.
- 1918. National Statistics in War and Peace. American Statistical Assn. Publications 16, pp. 873-85.
- 1920. Review of Fisher's "Stabilizing the Dollar". QJE 34, pp. 520-31.
- 1920. Review of Hawtrey's "Currency and Credit". QJE 34, pp. 520-31.
- 1921. The Measurement of Changes in the General Price Level. QJE 35, pp. 557-73.
- 1923. The Trend of Prices. AER Supplement 13, No. 1, pp. 5-14.
- 1923. Fisher's "The Making of Index Numbers" (Review). QJE 37, pp. 342-64.
- 1924. The Trend of Economics. QJE 39, pp. 155-83.
- *— 1924-5. Review of Moulton and McGuire's "Germany's Capacity to Pay". American Statistical Assn. Publications 19, pp. 242-6; 20, pp. 260-1.
- 1924. Review of Hawtrey's "Currency and Credit", "Monetary Reconstruction." AER 14, pp. 349-53.
- 1925. Marshall on Consumer's Surplus in International Trade. QJE 39, pp. 144-50, 498-9.
- 1925. Review of Bowley's "Mathematical Groundwork of Economics". American Statistical Assn. Publications 20, pp. 133-5.
- 1925. Review of Edgeworth's "Papers Relating to Political Economy". AER 15, pp. 720-4.
- 1926. Economics and War. AER 16, pp. 1-13.
- 1928. Economic Problems Old and New. pp. 301.
- 1928. English Political Economy. Ec 8, pp. 1-15.
- 1928. Increasing Returns and Economic Progress. EJ 38, pp. 527-42.
- 1929. Review of Pigou's Public Finance. EJ 39, pp. 78-83.

GERMAN AND AUSTRIAN AUTHORS.

- AMONN, ALFRED. 1910. Der Guterbegriff in der theoretischen Nationalökonomie. ZV 19, pp. 403-501.
- 1911. Objekt u. Grundbegriffe der Theoretische Nationalökonomie. pp. 442.
- *— 1917. E. von Philippovich. CJB III Folge 54, pp. 158-64.
- 1920. Die Hauptprobleme der Socialisierung. pp. 111.
- 1921-2. Das Ziel der Währungspolitik. ZV N.F. 1, pp. 401-30. N.F. 2, pp. 298-306.
- 1923. Review of Philippovich's "Grundriss der Politischen Ökonomie". ZV N.F. 3, pp. 182-4, 583-5.
- 1924. Ricardo als Begründer der theoretischen Nationalökonomie. pp. 122.
- (and M. VON BERNETZKY). 1924. Währungsreform in der Tschecho-slowakei u. in Sowjet-Russland. pp. 74.
- 1924-6. Oppenheimer's "Neubegründung der Objektiven Wertlehre". ZV N.F. 4, pp. 1-37. N.F. 5, pp. 125-30; 584-98.
- 1926. Emil Lederers "Grundzüge der ökonomischen Theorie". Weltw. Arch. 23, i, pp. 160-84.
- 1928. Oppenheimer's "Theorie der Reinen und Politischen Oekonomie." ASS 59, pp. 449-88; 60, pp. 302-52.
- 1928. Gegenwartsaufgaben der Nationalökonomie. Zeitschrift f. die Gesamte Staatswissenschaft. 84, pp. 495-528.
- *AUSPIRZ, RUDOLPH (and R. LIEBEN). 1889. Untersuchungen über die Theorie des Preises. pp. 555.
- *— 1890. Die Klassische Werttheorie und die Theorie vom Grenznutzen. CJB 21 Neue Folge, pp. 288-93.
- 1893. Die Reform der direkten Steuern in Österreich. ZV 2, pp. 25-58.
- 1894. Der letzte Maasstab des Güterwertes u. die mathematische Methode. ZV 3, pp. 489-511.
- 1903. Österreich-Ungarn u. die Brüsseler Zuckerkonvention. ZV 12, pp. 400-29.
- BAUER, STEPHEN. 1890. Studies on the origin of the French economists. QJE 5, pp. 100-7.
- 1895. Quesnay's "Tableau Economique" with unpublished letters. EJ 5, pp. 1-21.
- 1895. Note on the biography of Quesnay. EJ 5, pp. 660-1.
- 1897. Die Heimarbeit u. ihre geplante Regelung in Oesterreich. Archiv f. Soziale Gesetzgebung u. Statistik 10, ii, pp. 239-71.
- 1903. The International Labour Office in Basle. EJ 13, pp. 438-43.
- 1904. Die neuere Kinderschutzgesetzgebung in Deutschland und in Grossbritannien. Arch. S.S. 19, iii, pp. 616-49.

- BAUER, STEPHEN. 1904. Die Entwicklung zum Zehnstundentage. Arch. S.S. 19, i, pp. 203-23.
- *BÖHM-BAWERK, EUGEN VON. 1881. Rechte und Verhältnisse vom Standpunkte der volkswirtschaftlichen Güterlehre. pp. 153.
- *— [1884-9] 4th 1921 3 vols. Kapital und Kapitalzins: I. Geschichte und Kritik der Kapitalzinstheorien; II. Positive Theorie des Kapitals.
- 1890. Capital and Interest: A Critical History of Economic Theory. Trans. with Preface and Analysis by William Smart. pp. 432.
- *— 1886. Grundzüge der Theorie des wirtschaftlichen Güterwerts. CJB N.F. 13, pp. 1-82, 477-541.
- *— 1888. Review of Adler's "Grundlagen der Karl Marx'schen Kritik der bestehenden Volkswirtschaft. CJB Neue Folge 16, pp. 298-9.
- *— 1888. Review of Sax's "Grundlegung der theoretischen Staatswirtschaft". Zeitschrift f. Gesamte Staatswissenschaft 44, pp. 157-64.
- *— 1889. Aus der neuesten nationalökonomischen Literatur Englands u. Nordamerika's. CJB Neue Folge 18, pp. 672-81.
- 1889. Une Nouvelle Theorie sur le Capital. REP 3, pp. 97-123.
- *— 1889. Review of Zuckerkandl's "Theorie des Preises". Zeitschrift f. Gesamte Staatswissenschaft 45, pp. 352-4.
- 1890. Macvane's Political Economy. QJE 4, pp. 331-9.
- 1890. Professor Giddings on The Theory of Capital. QJE 4, pp. 347-9.
- 1890. Ein Zwischenwort zur Werttheorie. Criticism of Dietzel's Article. CJB Neue Folge 21, pp. 519-22.
- *— 1890. Review of Schmoller's "Zur Litteraturgeschichte der Staats- und Sozialwissenschaft". CJB Neue Folge 21, pp. 75-95.
- 1891. The Austrian Economists. AAA 1, pp. 361-84.
- *— 1891. Zur neuester Literatur über den Wert. CJB Dritte Folge 1, pp. 875-99.
- *— 1891. Review of Mensi's "Finanzen Österreichs von 1701 bis 1740. CJB Dritte Folge 1, pp. 769-71.
- *— 1891. Review of Adler's "Leitfaden der Volkswirtschaftslehre zum Gebrauche an höheren Fachlehranstalten und zum Selbstunterrichte". CJB Dritte Folge 1, pp. 127-8.
- *— 1891. Review of Diehl's "Proudhon, seine Lehre u. sein Leben". CJB III Folge 1, pp. 754-5.
- 1892. Unsere Aufgaben. ZV 1, pp. 1-10.
- *— 1892. Wert, Kosten und Grenznutzen. CJB III Folge 3, pp. 321-67.
- 1892. Review of Patten's "Theory of Dynamic Economy". ZV 1, pp. 505-9.
- 1892. Review of Lehr's "Polit. Ökonomie". ZV 1, pp. 503,

- BÖHM-BAWERK, EUGEN VON. 1894. One Word More on the Ultimate Standard of Value. *EJ* 4, pp. 719-25.
- 1894. Der letzte Maasstab des Güterwertes. *ZV* 3, pp. 185-230.
- 1894. Der Letzte Maastab des Güterwertes: Zusatzbemerkung. *ZV* 3, pp. 512-19.
- 1894. Essai sur la Valeur. *REP* 8, pp. 503-33.
- 1894. Review of Bonar's "Philosophy and Political Economy in some of their historical relations". *ZV* 3, pp. 161-2.
- 1894. Review of Wieser's "Natural Value" (ed. by Smart). *ZV* 3, pp. 327-8.
- 1894. Review of Wicksell's "Über Wert, Capital u. Rente nach der neueren nationalökon. Theorien". *ZV* 3, pp. 162-5.
- 1895. The Positive Theory of Capital and Its Critics. *QJE* 9, pp. 113-31, 235-56; 10, 121-55.
- 1895. The Origin of Interest. *QJE* 9, pp. 380-7.
- 1895. Review of Naumann's "Die Lehre vom Wert". *ZV* 3, pp. 355-6.
- 1895. Review of Sulzer's "Wirtschaftlichen Grundgesetze". *ZV* 4, pp. 352-5.
- 1896. Zum Abschluss des Marx'schen Systems. "Staatswissenschaftliche Arbeiten." Festgaben für Karl Knies, pp. 88-205.
- 1898. Karl Marx and the Close of his system: a criticism. Trans. by Alice M. Macdonald with a preface by James Bonar. pp. 221.
- 1896. Review of Smart's "Studies in Economics". *ZV* 5, pp. 656.
- 1896. Review of Schuller's "Classische Nationalökonomie u. ihre Gegner". *ZV* 5, pp. 656-8.
- 1896. Review of Pierson's "Leerboek der Staathuishoudkunde". *ZV* 5, pp. 658-9.
- 1896. Review of Montemartini's "Il risparmio nella economica pura". *ZV* 5, pp. 658.
- 1898. Review of Bergmann's "Die Wirtschaftskrisen". *ZV* 7, pp. 132-4.
- 1899. Einige Strittige Fragen der Kapitalstheorie. *ZV* 8, pp. 105-46, 365-99, 553-601.
- 1900. Einige Strittige Fragen der Kapitalzinstheorie. pp. 127.
- 1900. Review of Sieghart's "Die öffentlichen Glücksspeile". *CJb* 19, pp. 567-8.
- 1906-7. Zur neusten Literatur über Kapital u. Kapitalzins. *ZV* 15, pp. 448-61; 16, pp. 1-38.
- 1906. Review of Rae's "Sociological Theory of Capital". *ZV* 15, pp. 274-5.
- 1907. Das Wesen des Capitaes: Gegenbemerkung zu Prof. Clark's Replik. *ZV* 16, pp. 441-57.
- 1907. The Nature of Capital: A Rejoinder to Prof. Clark. *QJE* 22, pp. 28-47.

- BÖHM-BAWERK, EUGEN VON. [3rd 1910] 4th 1923. Kapital. HdS 5, pp. 576-84.
- 3rd 1911. Wert. HdS 8, pp. 756-74.
- 1913. Eine "dynamische" Theorie des Kapitalzinses : Schlussbemerkungen. ZV 22, pp. 1-62, 640-56.
- 1914. Macht oder ökonomisches Gesetz? ZV 23, pp. 205-71.
- 1914. Verteidigung u. Ergänzung der Böhm-Bawerkschen Preistheorie: Nachwort. ZV 23, pp. 70-3.
- 1924-6. Gesammelte Schriften; herausgeben von Franz X. Weiss, Vols. 1 and 2.
- BONN, M. J. 1896. Spaniens Niedergang Während der Preisrevolution des 16. Jahrhunderts. pp. 199.
- * — 1900. Die Vorgänge am Edelmetallmarkt in den Jahren 1870-3. pp. 128.
- 1904, 1905. Die Irische Agrarfrage. ASS 19, pp. 140-72; 20, 554-609.
- 1906. Modern Ireland and Her Agrarian Problem. Trans. by T. W. Rolleston. pp. 108.
- 1906. Die Englische Kolonisation in Ireland. 2 vols.
- 1908. Die Eingeborenenpolitik im britischen Südafrika. pp. 57.
- 1909. Land Reform in Ireland. EJ 19, pp. 374-94.
- 1909-10. Siedlungsfragen und Eingeborenenpolitik. ASS 28, pp. 654-92; 31, pp. 383-420, 810-30.
- 1910. Review of Lederer's "Entwicklung der Südafrikanischen Union Ausverkehrspolitik Grundlage". SchmJb 34, pp. 1988-91.
- 1910. Review of Hüssen's "Verfassungsentwicklung Traansvaals zur Selfgoverning Colony". SchmJb 34, pp. 796-7.
- 1911. Die Neugestaltung unserer Kolonialen Aufgaben. pp. 48.
- (and HARMS, B.). 1911. Eine Neue Wissenschaft? (Weltwirtschaftslehre). ASS 33, pp. 842-57.
- 1912. Zur Geldlehre Adam Müllers. ASS 34, pp. 924-8.
- 1912. Das Wesen der Weltwirtschaft. ASS 35, pp. 797-814.
- (and others). 1913. Grundfragen der englischen Volkswirtschaft. pp. 155.
- * — 1918. Irland und die irische Frage. pp. 268.
- 1920. The Main Features of Germany's Economic and Financial Situation. AAA Nov. 1920, pp. 106-11.
- * — 1920. Die Irische Frage. Handbuch der Politik 2, pp. 365-9.
- * — 1920. Die Amerikanische Aussenpolitik. Handbuch der Politik 2, pp. 378-83.
- 1920. Review of Keynes' "Die Wirtschaftlichen Folgen des Friedensvertrags" trans. by Bonn and Brinkmann. SchmJb 44, pp. 918-20.
- * — 1921. Die Auflösung des modernen Staats. pp. 44.
- 1922. The Reparations Problem. AAA Nov. 1922, pp. 149-56.

- BONN, M. J. 1922. The Stabilization of the Mark. pp. 56.
- *— 1925. Lujo Brentano als Wirtschaftspolitiker.—Festgabe für Lujo Brentano zum 80. Geburtstag "Die Wirtschaftswissenschaft nach dem Kriege". pp. 1–10.
- 1925. Amerika und sein Problem. pp. 176.
- 1925. Die Krisis der Europäischen Demokratie. pp. 155.
- (and PALYI, M.) *editors*. 1925. Die Wirtschaftswissenschaft nach dem Kriege. Bd. I, Wirtschaftspolitische Ideologien; Bd. II, Der Stand der Forschung (Festgabe für Lujo Brentano zum 80. Geburtstag). 2 vols.
- 1925. Die englische Schutzzollpläne. Magazin der Wirtschaft 1, pp. 84–92.
- 1926. Technische oder finanzielle Rationalisierung? Magazin der Wirtschaft 2, i, pp. 321–4.
- 1926. Das Schicksal des deutschen Kapitalismus. pp. 62.
- 1926. Rationalisierung als Finanzielles Problem. ASS 56, pp. 289–301.
- BORTKIEWICZ, L. VON. 1896. Die Finanzielle Stellung des Reichs zur Arbeitsversicherung. CJB III Folge 12, pp. 538–63.
- *— 1898. Die Grenznutzentheorie als Grundlage einer ultraliberalen Wirtschaftspolitik. SchmJb 22, pp. 1177–1218.
- *— 1899. Die erkenntnistheoretischen Grundlagen der Wahrscheinlichkeitsrechnung: und eine Entgegnung. CJB III Folge 17, pp. 230–44; 18, pp. 239–42.
- *— 1899. Der Begriff "Sozialpolitik". CJB III Folge 17, pp. 332–49.
- 1901. Review of Ballod's "Mittlere Lebensbauer in Stadt und Land". SchmJb 25, pp. 1613–18.
- 1902. Review of Bowley's "Elements of Statistics". SchmJb 26, pp. 847–50.
- 1903. Die Haftpflichtversicherung. SchmJb 27, pp. 301–23.
- 1904. Review of Bouvier's "La Méthode Mathématique en économie politique". SchmJb 28, pp. 755–6.
- 1904, 1909. Review of Prange's "Theorie des Versicherungswertes in der Feuerversicherung". SchmJb 28, pp. 807–13; 33, pp. 399–402.
- *— 1904. Die Theorie der Bevölkerungs- und Moralstatistik nach Lexis (Review). CJB III Folge 27, pp. 230–54.
- *— 1904. Review of Pasquier's "Sir William Petty, ses idées économiques". CJB III Folge 28, pp. 110–13.
- *— 1904. Review of Karup's "Aus der Praxis . . .". CJB III Folge 28, pp. 252–4.
- *— 1904. Review of Meyer's "Beiträge zur Pensionsversicherung". CJB III Folge 28, pp. 423–5.
- 1905. Review of Rüdiger-Miltner's "Der Gerechte Lohn". SchmJb 29, pp. 374–5.
- 1905. Review of Karup's "Reform des Rechnungswesens . . ." SchmJb 29, pp. 759–63.

- BORTKIEWICZ, L. VON. 1905. Review of Prange's "Geschäftsführer des Deutschen Feuerversicherungs-Schutzverbandes zu Berlin". SchmJb 29, pp. 763-5.
- 1906. Der Kardinalfehler der Böhm-Bawerkschen Zinstheorie SchmJb 30, pp. 943-72.
- 1906. Die Geldtheoretischen und die Währungspolitischen Konsequenzen des "Nominalismus". SchmJb 30, pp. 1311-44.
- 1906, 1907. Wertrechnung und Preisrechnung im Markschen System. ASS 23, pp. 1-50; 25, pp. 10-51, 445-88.
- 1906. War Aristoteles Malthusianer? Zeitschrift für Gesamte Staatswissenschaft 62, pp. 383-406.
- (and OSWALT, H.). 1907. Zur Zinstheorie: Zuschrift und Entgegnung. SchmJb 31, pp. 303-86; 1288-1310.
- *— 1907. Zur Berichtigung der grundlegenden theoretischen Konstruktion von Marx im dritten Band des "Kapital". CJB III Folge 34, pp. 319-35.
- [3rd 1910] 4th 1925. Lebensdauer. HdS 6, pp. 264-71.
- *— 1910. Zur Verteidigung des Gesetzes der kleinen Zahlen. CJB III Folge 39, pp. 218-36.
- 1910. Eine Geometrische Fundierung der Lehre vom Standort der Industrien. ASS 30, pp. 759-85.
- 1910. Review of Stangeland's "Pre-Malthusian Doctrines of Population". SchmJb 34, pp. 359-62.
- 1910. Review of Feld's "Mittelstädte Altpreußens in ihrer Bevölkerungsentwicklung zwischen 1858 and 1900". SchmJb 34, pp. 888-90.
- 1910. Review of Zizek's "Die Statistischen Mittelwerte". ZV 19, pp. 234-41.
- 3rd 1911. Sterblichkeit und Sterblichkeitstafeln. HdS 7, pp. 930-44.
- 1911. Review of Davenport's "Value and Distribution". SchmJb 35, pp. 429-32.
- 1911. Review of Lexis' "Allgemeine Wirtschaftslehre". SchmJb 35, pp. 2041-7.
- *— 1914. Review of Wicksell's "Vorlesungen über Nationalökonomie auf Grundlage des Marginalprinzips". SchmJb 38, pp. 971-6.
- *— 1916. Review of Gumbel's "Berechnung des Bevölkerungsstandes durch Interpolation". CJB III Folge 52, pp. 421-4.
- *— 1917. Die Iterationen. Ein Beitrag zur Wahrscheinlichkeitstheorie.
- 1918. Homogenität und Stabilität in der Statistik. pp. 81.
- 1918. Das Währungspolitische Programm Otto Henns. SchmJb 42, pp. 735-52.
- *— 1919. Bevölkerungswesen. pp. 112.
- 1920. Der Subjektive Geldwert. SchmJb 44, pp. 153-90.
- 1920. Gibt es Deportgeschäfte? SchmJb 44, pp. 741-54.

- BORTKIEWICZ, L. VON. 1920. Zum Problem der Lohnbemessung. SchmJb 44, pp. 1001-20.
- 1920. Review of Muhs' "Begriff und Funktion des Kapitals, Kritik und Versuch einer Neubegründung des Kapital- und Zinstheorie". SchmJb 44, pp. 1222-5.
- 1921. Neue Schriften über die Natur und die Zukunft des Geldes. SchmJb 45, pp. 621-47, 857-1000.
- 1921-2. Das Wesen, die Grenzen u. die Wirkungen des Bankkredits. Weltw. Arch. 17, pp. 70-89.
- 1921. Review of Parker's "Paris Bourse and French Finance". CJB III Folge 61, p. 199.
- 1921. Review of Klebba's "Börse und Effektenhandel im Kriege unter besonderer Berücksichtigung der Berliner Börse". CJB III Folge 61, pp. 374-5.
- 1922. Entgegnung. SchmJb 46, pp. 562-6.
- 1922. Review of Järvinen's "Zahlungsverkehr im Aussenhandel Finnlands vor der Ausbildung des einheimischen Bankwesens". CJB III Folge 62, pp. 79-81.
- 1922. Review of Steiner's "Some Aspects of Banking theory". CJB III Folge 63, pp. 85-6.
- 1923. Baldy, Edmond, Les Banques d'Affaires en France depuis 1900 (Reviews). CJB III Folge 65, pp. 159-62.
- 1923. Review of Kühne's "Untersuchungen über die Wert- und Preisrechnung des Marx'schen Systems". ASS 51, pp. 260-4.
- 1924. Erwiderung. ASS 53, pp. 256-9.
- 1924. Review of Chapman's "Fiscal Functions of the Federal Reserve Banks". CJB III Folge 67, p. 869.
- 1924. Review of Fisher's "Making of Index Numbers". ASS 51, pp. 848-53.
- 4th 1926. Sterbetafeln. HdS 7, pp. 1030-45.
- 1926. Review of Lukacs' "Geschichte und Klassenbewusstsein". CJB III Folge 69, pp. 483-4.
- 1926. Review of Unshelm's "Geburtenbeschränkung und Sozialismus". CJB III Folge 69, pp. 488-9.
- 1926. Review of Leichter's "Wirtschaftsrechnung in der sozialistischen Gesellschaft". CJB III Folge 69, pp. 613-14.
- *BRENTANO, LUJO. 1870. History and Development of Gilds and Origin of Trade Unions. Essay in Smith's "English Gilds". pp. 1-134.
- 1871. Zur Geschichte der englischen Gewerkvereine. pp. 288.
- 1871. Die Lehre von den Lohnsteigerungen mit besonderer Rücksicht auf die englischen Wirtschaftslehrer. CJB 16, pp. 251-81.
- 1872. Zur Kritik der Englischen Gewerkvereine. pp. 369.
- 1872-3. Zur Reform der deutschen Fabrikgesetzgebung. CJB 19, pp. 168-212; 20, pp. 35-362.
- 1873. Über Einigungsämter: Eine Polemik mit Dr. A. Meyer. pp. 57.

- *BRENTANO, LUJO. 1874/6. Über das Verhältnis von Arbeitslohn und Arbeitszeit zur Arbeitsleistung. Jahrbuch f. Gesetzgebung, Verwaltung und Reichspflege 4, pp. 190-213.
- *— 1874/6. Die Leistungen der Grubenarbeiter, besonders in Preussen und die Lohnsteigerung von 1872. Jahrbuch f. Gesetzgebung, Verwaltung und Reichspflege 4, pp. 395-420.
- 1875, 1893. Über das Verhältnisse von Arbeitslohn und Arbeitszeit zur Arbeitsleistung. pp. 103.
- *— 1876. Zur Lehre von den Lohnsteigerungen. Zeitschrift f. Gesamte Staatswissenschaft 32, pp. 466-78.
- *— 1877. Das Arbeitsverhältnissgemäss dem Heutigen Recht. Bibliography pp. 354-60. pp. 360.
- 1877. Erwerbsordnung und Unterstützungswesen. SchmJb 1, pp. 471-501.
- *— 1877. Die Gewerbefreiheit im Mittelalter. Zeitschrift f. Gesamte Staatswissenschaft 33, pp. 267-70.
- 1877. Review of Crompton's "Industrial Reconciliation". SchmJb 1, pp. 253-8.
- 1877. Review of Marchet's "Aufgabe der gewerblichen Gesetzgebung". SchmJb 1, pp. 831-2.
- 1877. Review of Neumann-Spallart's "Übersichten über Produktion, Welthandel und Verkehrsmittel". SchmJb 1, pp. 431-5.
- *— 1877. Review of Oncken's "Adam Smith und Immanuel Kant". SchmJb 1, pp. 436-9, 854-71.
- *— 1877. Review of Roscher's "Zur Kritik der neuesten wirtschaftlichen Entwicklung im Deutschen Reiche". SchmJb 1, pp. 435-6.
- *— 1877. Review of Schanz's "Zur Geschichte der deutschen Gesellenverbände". SchmJb 1, pp. 242-4.
- *— 1877-8. Review of Schriften des Vereins für Sozialpolitik. XIII, XIV. SchmJb 1, pp. 626-7; 2, pp. 242-3.
- *— 1877. Review of Wanderlager und Waarenauktionen im der Lausitz. SchmJb 1, pp. 627-8.
- 1878. Die Arbeiter und die Produktionskrisen. SchmJb 2, pp. 565-632.
- *— 1878. Noch ein Wort über die wirtschaftliche Freiheit im mittelalterlichen England. Zeitschrift f. Gesamte Staatswissenschaft 34, pp. 238-77.
- 1878. Review of Bojanowsti's "Unternehmer und Arbeiter nach Englischen Recht". SchmJb 2, pp. 240-1.
- 1878. Review of Bücher's "Gewerbliche Bildungsfrage und der Industrielle Rückgang" and "Lehrlingsfrage und Gewerbliche Bildung in Frankreich". SchmJb 2, pp. 442-5.
- 1878. Review of Engel's "Industrielle Enquete und die Gewerbezahl im Deutschen Reiche." SchmJb 2, pp. 433-42.
- 1878. Review of Gheist's "Zur Steuerreform in Preussen". SchmJb 2, pp. 243.

- *BRENTANO, LUJO. 1878. Review of Sax's "Verkehrsmittel in Volks- und Staatswirtschaft". I. Allg. Teil. SchmJb 2, pp. 243-4.
- 1879. Die Arbeiterversicherungsgemäss der heutigen Wirtschaftsordnung. pp. 262.
- 1879. Die Hirsch- Dunkschen Gewerkvereine. SchmJb 3, pp. 487-503.
- 1879. Review of Cossa's "Guida allo studio dell' Economica Politica". SchmJb 3, pp. 271-2.
- *— 1881. Der Arbeiter-versicherungszwang, seine Voraussetzung und seine Folge. pp. 118.
- *— 1882. Gewerbe (II Theil). Schönberg's Handbuch 1, pp. 905-94.
- 1882. Geschichte und Wirken eines deutschen Gewerksvereins. SchmJb 6, pp. 993-1130.
- 1883. Die christlich-soziale Bewegung in England. SchmJb 7, pp. 737-71.
- *— 1883. Die christlich-soziale Bewegung in England.
- *— 1885. Über eine zukünftige handelspolitik des Deutschen Reiches. SchmJb 9, pp. 1-30.
- *— 1888. Die Klassische National-Ökonomie. pp. 36.
- 1888. Die beabsichtige Alters- und Invalidenversicherung für Arbeiter und ihre Bedeutung. CJb Neue Folge 16, pp. 1-46.
- *— 1889. Über die Ursachen der heutigen sozialen Rot. pp. 43.
- *— 1889. Une Leçon sur l'Economie Politique classique. REP 3, pp. 1-22.
- 1889. Des derniers Causes de notre Misère sociale. REP 3, pp. 341-64.
- *— 1890. Arbeitseinstellung und Fortbildung des Arbeitsvertrags. pp. 470.
- *— 1890. Über Arbeitseinstellungen und Fortbildung des Arbeitsvertrages. Einleitung: "Arbeitseinstellungen und Fortbildung des Arbeitsverträge von Auerbach, Lotz und Dahn. pp. i-lxxviii.
- *— 1890. Une nouvelle Phase de l'Organisation des Ouvriers en Angleterre. REP 4, pp. 402-13.
- *— 1890. Une Polémique avec Karl Marx. REP 4, pp. 580-7.
- *— 1890. La Réglementation Internationale de l'Industrie. REP 4, pp. 105-26.
- 1891. The Relation of Labour to the Law of To-day: Trans. and with introduction by Porter Sherman. pp. 306.
- 1891. La Question des Huit Heures en Angleterre. REP 5, pp. 981-92.
- 1892. Origine et Abolition des Droits sur les céréales en Angleterre. REP 6, pp. 176-216.
- 1893. Les Rapports entre le Salaire, la durée du Travail et sa Productivité. REP 7, pp. 273-6.
- 1894. Hours and Wages in Relation to Production. Trans. Mrs. W. Arnold. pp. 144.

- BRENTANO, LUJO. 1895. Entwicklung und Geist der Englischen Arbeiterorganisationen. Archiv f. Soziale Gesetzgebung 8, pp. 75-139.
- 1897, 1925. Agrarpolitik: Ein Lehrbuch. pp. 294.
- 1897. Pourquoi il n'y a pas de hobereaux en vieille Bavière. REP 11, pp. 4-53.
- 1897. Agrarian Reform in Prussia. EJ 7, pp. 1-20, 165-84.
- 1898. Zur theoretischen Nationalökonomie der letzten Jahre. ZV 7, pp. 400-32.
- 1899. Gesammelte Aufsätze. Bd. I. Erbrechtspolitik, Alte u. Neue Feudalität. pp. 592.
- *— 1899. Reaktion oder Reform? Gegen die Zuchthausvorlage.
- *— 1900. Das Freihandels Argument. pp. 23.
- *— (and R. KUCZNSKI). 1900. Die heutige Grundlage der deutschen Wehrkraft. pp. 132.
- 1901. Die Schrecken des Überwiegenden Industriestaats. pp. 55.
- 1902. Le Concept de l'éthique et de l'Economie politique. REP 16, pp. 1-28.
- 1904. Zur Genealogie der Angriffe auf das Eigentum. ASS 19, 251-71.
- *— 1906. Der Streit über die Grundlage der Deutschen Wehrkraft. "Patria," Jahrbuch der Hilfe, 1906: pp. 41-95.
- *— 1908. Versuch einer Theorie der Bedürfnisse. pp. 79.
- *— 1909. Die Arbeiterwohnungsfrage in den Städten mit besonderer Berücksichtigung Münchens. pp. 80.
- 1909. Die Malthus'sche Lehre und die Bevölkerungsbewegung der letzten Dezennien. pp. 89.
- 1909. Chartismus. HdS 3, pp. 370-5.
- 1909. Gewerkvereine: allgemeines und in England. HdS 4, pp. 1106-19; 1119-41.
- 1910, 1925. Die Deutschen Getreidezölle. pp. 142 (Bibliography in footnotes).
- 1910. The Doctrine of Malthus and the Increase of Population during the last Decades. EJ 20, pp. 371-93.
- 1911. Über Werturteile in der Volkswirtschaftslehre. ASS 33, pp. 695-714.
- *— 1911. Familienfideikomisse u. ihre Wirkungen.
- *— 1913. Die Anfänge des modern Kapitalismus. pp. 199.
- 1914. Über einige in der Natur des Beobachtungsobjektes liegende Schwierigkeiten des volkswirtschaftlichen Forschers. ASS 38, pp. 58-82.
- 1914. Der Krieg und die Verhütung seiner Wiederkehr. ASS 40, pp. 30-42.
- *— 1916. Über den Wahnsinn des Handelsfeindseligkeit. pp. 32.
- 1917. Die Byzantinische Volkswirtschaft. SchmJb 41, pp. 569-614.

- BRENTANO, LUJO. 1918. Ist das "System Brentano" zusammengebrochen? pp. 114.
- *— 1920. The Economic Dilemma of Germany. Fight the Famine Council. pp. 26-36.
- *— 1921. Schutzzoll und Freihandel. Handbuch der Politik 4, pp. 292-313.
- 1922. Die Urheber des Weltkrieges (Bibliography and footnotes). pp. 134.
- 1923. Die Wirtschaftende Mensch in der Geschichte. Gesammelte Reden und Aufsätze. pp. 498.
- *— 1923. Zum Jubiläum des Vereins für Sozialpolitik. Verein für Sozialpolitik 1923, pp. 1-22.
- 1924. Konkrete Grundbedingungen der Volkswirtschaft: gesammelte Aufsätze. pp. 485.
- 1924. Was Deutschland gezahlt hat. Weltw. Arch. 20, ii, pp. 235*-51*.
- CASSEL, GUSTAV. 1898. Volksrepräsentation und Besteuerung. Zeitschrift f. Gesamte Staatswissenschaft 54, pp. 577-646.
- *— 1899. Grundriss einer elementaren Preislehre. Zeitschrift f. Gesamte Staatswissenschaft 55, pp. 395-48.
- 1900. Das Recht auf den vollen Arbeitsertrag: eine Einführung in die theoretische Ökonomie. pp. 168.
- 1901. The Theory of Progressive Taxation. EJ 11, pp. 461-8.
- 1901. Die Produktionskostentheorie Ricardo's und die ersten Aufgaben der theoretischen Volkswirtschaftslehre. Zeitschrift f. Gesamte Staatswissenschaft 57, pp. 68-100.
- 1902. Der Ausgangspunkt der theoretischen Ökonomie. Zeitschrift f. Gesamte Staatswissenschaft 58, pp. 668-98.
- 1903. The Nature and Necessity of Interest. pp. 189.
- 1906. The Question of an Export Duty on Iron Ore in Sweden. EJ 16, pp. 614-17.
- 1916. Germany's Economic Power of Resistance. pp. 128.
- *— 1920. Weltwirtschaft und Geldverkehr unter besonderer Berücksichtigung des Valutaproblems. pp. 25.
- 1920. Some Leading Propositions for an International Discussion of the World's Monetary Problems. AAA May, 1920. pp. 258-67.
- 1921. Das Geldproblem der Welt. pp. 142.
- 1921. Theoretische Sozialökonomie. pp. 593.
- 1923. The Theory of Social Economy: trans. by J. McCabe. 2 vols.
- 1921. The World's Monetary Problems: two Memoranda. pp. 154.
- 1922. Money and Foreign Exchange after 1914. pp. 287.
- 1922. Die Lösung des Weltwährungsproblems. SchmJb 46, pp. 651-668.
- 1925. Fundamental Thoughts in Economics. pp. 159.

- CASSEL, GUSTAV. 1925. Das Geldwesen nach 1914. pp. 220.
- 1916. The Present Position of the Foreign Exchanges. EJ 26.
- 1917. The Depreciation of Gold. EJ 27, pp. 346-54.
- 1918. Abnormal Deviations in International Exchanges. EJ 28.
- 1920. Further Observations on the World's Monetary Problem. EJ 30, pp. 39-45.
- 1921. Money and Foreign Exchange after 1914.
- 1923. The Restoration of the Gold Standard. Ec 3, p. 171.
- 1928. The Treatment of Price Problems. EJ 38, 589-92.
- 1929. Post-War Monetary Stabilisation. pp. 109.
- 1929. In Foreign Investments (Lectures on the Harris Foundation, 1928). pp. 231.
- 1929. Sozialismus oder Fortschritt, pp. 183.
- DIEHL, KARL. 1906. Neuere Schriften über theoretische Nationalökonomie. ASS pp. 128-37.
- 1911. Zur Frage der Getreidezölle. pp. 153.
- * — 1918. Die einmalige Vermögensabgabe. Verein f. Socialpolitik 156, i, pp. 1-83.
- 1921. Über Fragen des Geldwesens u. den Valuta während des Krieges u. nach dem Kriege. pp. 204.
- 1923. Über Sozialismus, Kommunismus u. Anarchismus. pp. 451.
- 1924. Die Diktatur des Proletariats und das Rätessystem: mit einem Nachtrage "Die Entwicklung des Bolschewismus von 1920-1924." pp. 138.
- 1924. Theoretische Nationalökonomie. Bd. II. Die Lehre von dem Produktion. pp. 372.
- 1927. Zur Lehre von der Produktivität. SchmJb 51, pp. 533-44.
- 1927. Volkswohlstandslehre und Volkswirtschaftslehre. Zeitschrift f. d. G. Staatswissenschaft 83, pp. 241-60.
- 1928. Über Cassels System. Weltw. Arch. 28, pp. 144-95.
- 1929. Ricardos "Notes on Malthus." Zeitschrift f. d. G. Staatswissenschaft 87.
- 1929. Die rechtlichen Grundlagen des Kapitalismus. pp. 63.
- * DIETZEL, HEINRICH. 1882. Über das Verhältnisse der Volkswirtschaftslehre zur Sozialwirtschaftslehre. pp. 69.
- * — 1883. Der Ausgangspunkt der Socialwirtschaftslehre und ihr Grundbegriff. Zeitschrift f. Gesamte Staatswissenschaft 39, pp. 1-80.
- * — 1884. Beiträge zur Methodik der Wirtschaftswissenschaft. CJB N.F. 9, pp. 17-44, 193-259.
- * — 1884-1885. Über Wesen und Bedeutung . . . Zeitschrift f. Gesamte Staatswissenschaft 40, pp. 219-84, 595-639; 41, pp. 29-86.

- *DIETZEL, HEINRICH. 1884. Review of Menger's "Untersuchungen über die Methode der Sozialwissenschaften und der politischen Ökonomie insbesondere". *CJb N.F.* 8, pp. 107-84, 353-70.
- *— 1884. Review of Sax's "Wesen und Aufgaben der National-ökonomie". *CJb N.F.* 8, pp. 498-500.
- *— 1885. Review of Wieser's *Ursprung und Hauptgesetze des wirtschaftlichen Wertes*". *CJb N.F.* 11, pp. 161-2.
- *— 1886. Karl Rodbertus. (1) Darstellung seines Lebens; (2) Darstellung seinen Sozialphilosophie. pp. 92, 240.
- *— 1886. Das "Problem" des litterarischen Nachlass von Rodbertus-Jagetzow. *CJb N.F.* 13, pp. 243-60.
- 1889. Review of Sombart's "Die römische Campagna". *Archiv f. Soziale Gesetzgebung* 2, pp. 676-9.
- 1890. Die Klassische Werththeorie und die Theorie vom Grenznutzen. *CJb Neue Folge* 20, pp. 561-606.
- *— 1891. Zur klassischen Wert- und Preistheorie. *CJb Dritte Folge* 1, pp. 685-707.
- 1895. Theoretische Socialökonomik, Bd. 1. Einleitung—Allgemeines Theil, Buch 1. pp. 297.
- 1897. Stud. jur. et cam. *CJb III Folge* 13, pp. 679-711.
- *— 1900. Die Theorie von den drei Weltreichen.
- 1900. Weltwirtschaft und Volkswirtschaft. pp. 120.
- *— 1901. Kornzoll und Socialreform. pp. 56.
- *— 1902. Sozialpolitik und Handelspolitik.
- *— 1903. Das Produzenteninteresse des Arbeiter und die Handelsfreiheit. pp. 118.
- 1903. The German Tariff Controversy. *QJE* 17, pp. 365-416.
- *— 1904. Vergelturzölle. pp. 60.
- *— 1905. Die "enorme Überbilanz" der Vereinigten Staaten. *CJb III Folge* 30, pp. 145-205, 577-633.
- 1905. Free Trade and the Labour Market. *EJ* 15, pp. 1-11.
- 1906. Retaliatory Duties: Trans. by D. W. Simon and W. Osborne Brigstocke. pp. 128.
- *— 1907. Bedeutet Export von Produktionsmitteln volkswirtschaftlichen Selbstmord? pp. 65.
- 1909. Reichsnachlasssteuer oder Reichsvermögenssteuer. pp. 60.
- 1909. Bismarck. *HdS* 3, pp. 47-84.
- 1909. Ernten. *HdS* 3, pp. 1091-1102.
- 1909, 1923. Agrar-Industriestaat oder Industriestaat? *HdS* 1, pp. 226-37, 3rd ed.; pp. 62-72, 4th ed.
- 1909, 1923. Individualismus. *HdS* 5, pp. 590-606, 3rd ed.; pp. 408-24, 4th ed.
- 1911. Selbstinteresse und Methodenstreit in der Wirtschaftstheorie. *HdS* 7, pp. 435-49.
- 1912. Abbürdung der Kriegsschuld. *Verein f. Sozialpolitik* 156, No. 1, pp. 105-50.

- DIETZEL, HEINRICH: 1912. List's Nationales System und die "nationale" Wirtschaftspolitik. ASS 35, pp. 366-417.
- *— 1916. Krieg und Sparpflicht. CJB III Folge 52, pp. 1-35.
- *— 1918. Die Nationalisierung der Kriegsmilliarden. pp. 37.
- 1919. Englische und preussische Steuerveranlegung: ein Vergleich des Englischen mit dem preussischen System der Einkommensbesteuerung. pp. 62.
- *— 1921. Vom Lehrwert der Wertlehre und vom Grundfehler der Marxischen Verteilungslehre. pp. 39.
- *— 1922. Technischer Fortschritt und Freiheit der Wirtschaft. pp. 62.
- *KLEINWÄCHTER, FRIEDRICH. 1867. Beitrag zur Lehre vom Kapitale. CJB 9, pp. 310-26, 369-421.
- *— 1869. Die österreichische Grundsteuergesetzgebung. CJB 13, pp. 85-113, 177-97.
- *— 1870. Die österreichische Branntweinsteuer-Gesetzgebung. Zeitschrift f. Gesamte Staatswissenschaft 26, pp. 504-78.
- *— 1875. Zur Geschichte der englischen Arbeiterbewegung im Jahre 1872. CJB 24, pp. 31-61, 377-448.
- 1875. Zur Geschichte der englischen Arbeiterbewegung im Jahre 1872. pp. 104.
- *— 1876. Die rechts- und staatswissenschaftlichen Fakultäten in Österreich. pp. 102.
- 1878. Zur Geschichte der Englischen Arbeiterbewegung in den Jahren 1873 und 1874. pp. 149.
- *— 1881. Review of Gumpłowicz' "Rechtsstaat und Socialismus". Zeitschrift f. Gesamte Staatswissenschaft 37, pp. 628-39.
- *— 1882. Lassalle und Louis Blanc. Zeitschrift f. Gesamte Staatswissenschaft 38, pp. 118-37.
- *— 1882. Die Volkswirtschaftliche Produktion in Allgemein. Schönberg's Handbuch 1, pp. 161-220.
- 1882. Review of Böhm-Bawerk's "Rechte und Verhältnisse vom Standpunkte der volkswirtschaftlichen Güterlehre". CJB N.F. 4, pp. 119-20.
- 1882. Review of Hoffmann's "Entwicklung der sozialistischen Idee und die rechte Art sich ihre Fortschritte zu erwehren". CJB N.F. 5, pp. 462-3.
- 1882. Review of Schellwien's "Arbeit und ihr Recht". CJB N.F. 5, pp. 462-3.
- *— 1883. Die Nationalökonomie als Wissenschaft und ihre Stellung zu den übrigen Disziplinen. pp. 36.
- 1883. Die Kartelle: ein Beitrag zur Frage der Organisation des Volkswirtschaft. pp. 245.
- 1883. Der österreichische Entwurf eines Aktiengesetzes (Januar 1883). SchmJB 7, pp. 651-63.
- *— 1884. Review of Hitze's "Schutz dem Handwerk". SchmJB 8, pp. 684.

- *KLEINWÄCHTER, FRIEDRICH. 1884. Review of Droste's "Die Handwerkerfrage". SchmJb 8, pp. 684-5.
- *—— 1884. Review of Osner's "Hof- und Gerichtsadvokat in Wien". SchmJb 8, pp. 966-7.
- *—— 1884. Der Unternehmergewinn—Literatur. SchmJb 8, pp. 1277-82.
- *—— 1884. Review of Weiss' "Gesetze für Berechnung von Kapitalzins und Arbeitslohn". CJb N.F. 8, p. 380.
- *—— 1885. Die Grundlagen und die Ziele des sogenn. wissenschaftlichen Sozialismus. pp. 234.
- *—— 1885. Die österreichische Enquete vom Jahre 1882, betreffend die Einführung des Anerkenntes. SchmJb 9, pp. 1225-56.
- *—— 1885. Review of Wirth's "Handbuch des Bankwesens". CJb N.F. 10, pp. 81.
- *—— 1885. Review of "Bericht der österreichischen Gewerbeinspektoren". CJb N.F. 11, pp. 483-5.
- *—— 1886. Die Jahresberichte der österreichischen Gewerbeinspektoren für 1884 u. 1885. SchmJb 10, pp. 1134-53.
- *—— 1886. Review of Schöffle's "Gesammelte Aufsätze". CJb N.F. 13, pp. 261-2.
- *—— 1886. Review of Blanqui's "Kritik der Gesellschaft". CJb N.F. 13, pp. 262-3.
- *—— 1886. Review of Kaizl's "Die Verstaatlichung der Eisenbahnen in Österreich". SchmJb 10, pp. 611-12.
- *—— 1886. Review of Ofner's "Neue Gesellschaft und das Heimstättenrecht". CJb N.F. 13, pp. 564-5.
- *—— 1887. Review of Mischler's "Der öffentliche Haushalt in Böhmen". CJb Neue Folge 15, pp. 440-1.
- *—— 1887. Review of Adler's "Leitfaden für den Unterricht in der Handelswissenschaft mit besonderer Berücksichtigung der deutschen Gesetzgebung". CJb Neue Folge 15, pp. 437-8.
- *—— 1887-88-89. Review of "Bericht der Gewerbe-Inspektoren über ihre Amtsthätigkeit 1886-87-88." CJb Neue Folge 15, pp. 244-7; 17, pp. 105-10; 19, pp. 195-8.
- *—— 1888. Die geplante Reform der rechts- und staatswissenschaftlichen Studien in Österreich. SchmJb 12, pp. 123-58.
- 1888, 1889. Zur Frage der ständischen Gliederung der Gesellschaft. Zeitschrift f. Gesamte Staatswissenschaft 44, pp. 307-45; 45, pp. 463-523.
- *—— 1888. Review of Molinari's "Lois naturelles de l'économie politique". CJb Neue Folge 16, pp. 484-5.
- 1889. Wesen, Aufgabe und System der Nationalökonomie. CJb Neue Folge 18, pp. 601-50.
- 1889. Review of Felix's "Einfluss der Religion auf die Entwicklung des Eigentums". CJb Neue Folge 19, pp. 188-9.
- 1889. Review of Seeman's "Staatsbürgertum oder eine neue ständische Gesellschaft in Deutschland". CJb Neue Folge 18, pp. 348-9.

- *KLEINWÄCHTER, FRIEDRICH. 1890. Review of Korn's "Propinationsrecht in Galizien und in der Bukowina u. dessen Ablösung". SchmJb 14, pp. 716-17.
- 1890. Review of "Bericht der Gewerbe-Inspektoren über ihre Amtsthätigkeit im Jahre 1889. CJB Neue Folge 21, pp. 196-9.
- *— 1891. Die Staatsromane: Ein Betrag zur lehre vom Kommunismus u. Sozialismus. pp. 152.
- 1893. Die Valuta-Regulierung in Österreich-Ungarn. Zeitschrift f. Gesamte Staatswissenschaft 49, pp. 457-82, 667-89.
- 1898. Collectivbedürfnisse u. Gruppenbildung. ZV 7, pp. 161-211.
- 1903, 1921. Lehrbuch der Nationalökonomie. pp. 477, 560.
- *— 1905. Gebühren und Verkehrssteuern. CJB Folge 29, pp. 433-66.
- 1907. Eine Österreichische Baugenossenschaft. ZV 16, pp. 215-47.
- *— 1909. Die Österreichische Enquete über die Landesfinanzen CJB III Folge 28, pp. 43-63.
- 1910. Kartelle. HdS 5, pp. 792-8.
- *— 1913. Das wesen der städtischen Grundrente.
- 1916. Die staatliche Überwachung von Unternehmungen, die von Ausländern im Inlande betrieben werden. ZV 25, pp. 455-86.
- 1920. Die Lehre vom Grenznutzen und das sogenannte Zurechnungsproblem der Wiener nationalökonomischen Schule. CJB III Folge 59, pp. 97-133.
- *— 1922. Lehrbuch der Finanzwissenschaft (Lehrbuch der Nationalökonomie: Part III). pp. 392.
- *KNIES, KARL. 1852. Niccolo Machiavelli als volkswirtschaftlichen Schriftsteller. Zeitschrift f. Gesamte Staatswissenschaft 8, pp. 251-96.
- *— 1853. Die Eisenbahnen und ihre Wirkungen.
- *— 1854, 1855. Verhältnisse des Getreidewesens in der schweizerischen Erdgenossenschaft seit dem Bestehen der Zollverwaltung des neuen Bundes. Zeitschrift f. Gesamte Staatswissenschaft 10, pp. 645-82; 11, pp. 88-170.
- *— 1855. Die nationalökonomische Lehre vom Werth-Nachtrag. Zeitschrift f. Gesamte Staatswissenschaft 11, pp. 420-75, 646-9.
- *— 1858. Über die Geldentwerthung und die mit ihr in Verbindung gebrachten Erscheinungen. Zeitschrift f. Gesamte Staatswissenschaft 14, pp. 260-92.
- *— 1859. Über den Wohnungsnotstand der unteren Volksschichten und die Bedingungen des Mietpreises. Zeitschrift f. Gesamte Staatswissenschaft 15, pp. 83-107.
- *— 1859, 1860. Erörterungen über den Credit. Zeitschrift f. Gesamte Staatswissenschaft 15, pp. 561-90; 16, pp. 150-208.
- *— 1860. Die Dienstleistung des Soldaten u. die Mangel der Conscriptionspraxis.

- KNIES, KARL. 1873-9, 1885. Geld und Credit: (1) Das Geld; (2) Das Credit. 2 vols.
- 1881-3. Die politische Ökonomie vom geschichtlichen Standpunkte. pp. 533.
- * 1892. Carl Friedrichs von Baden brieflicher Verkehr mit Mirabeau und Dupont. 2 vols.
- * LEXIS, W. 1875. Einleitung in die Theorie der Bevölkerungsstatistik. pp. 124.
- 1876. Das Geschlechtsverhältnisse der Geborenen und die Wahrscheinlichkeitsrechnung. CJB 27, pp. 209-45.
- * 1878. Die französischen Acquits-à-caution und die deutsche Industrie. SchmJb 2, pp. 79-112.
- * 1879. Gewerbevereine u. Unternehmerverbände in Frankreich. pp. 280.
- 1879. Beiträge zur Statistik der Edelmetalle nebst einigen Bemerkungen über die Wertrelationen. CJB 34, pp. 361-417.
- 1879. Über die Theorie der Stabilität. CJB 32, pp. 60-98.
- 1879. Review of Mayr's "Die Gesetzmässigkeit im Gesellschaften". CJB 34, pp. 123-9.
- * 1879. Review of Block's "Traité théorique et pratique de statistique" and "Handbuch der Statistik". CJB 34, pp. 123-9.
- * 1881. Die neueste Literatur über den Unterscheidungszoll (Reviews). CJB Neue Folge 2, pp. 282-93.
- 1881. Die Währungsfrage nach der Münzkonferenz. SchmJb 5, pp. 1237-49.
- * 1881. Kritische Erörterungen über die Währungsfrage. SchmJb 5, pp. 87-132.
- * 1881. Broschüren zur Währungsfrage. SchmJb 5, pp. 401-5.
- * 1881. Die Aufhebung des Zwangscurses in Italien u. ihre Beziehung zur Währungsfrage. CJB Neue Folge 2, pp. 520-41.
- * 1881. Review of Putlitz' "Proudhon". ZGS 37, pp. 640-8.
- 1882. Zur mathematische-ökonomischen Literatur (Reviews). CJB Neue Folge 3, pp. 427-34.
- * 1882. Handel. Schönberg's Handbuch 1, pp. 1017-1132.
- * 1882, 1885. Zur Währungsfrage. CJB N.F. 5, pp. 1-31; 10, pp. 352-63.
- * 1882. Die Volkswirtschaftliche Consumption. Schönberg's Handbuch 1, pp. 505-40.
- 1882. Review of Lavelaye's "Socialisme Contemporain". CJB N.F. 5, pp. 83-4.
- * 1882. Review of Cossa's "Elementi di Scienza delle Finanza". SchmJb 6, pp. 1096-7.
- * 1882. Review of Annales de Démographie Internationale. SchmJb 6, pp. 1098-1100.
- * 1883. Review of Kleser's "Deutsche Währungsform und ihre Gegner". SchmJb 7, pp. 712-20.

- *LEXIS, W. 1883. Review of Kaufmann's "Die Finanzen Frankreichs". SchmJb 7, pp. 720-3.
- 1883. Review of Eheberg's "Grundriss der Finanzwissenschaft". SchmJb 7, pp. 723-4.
- *— 1883. Der neueste Stand der Währungsfrage und der Kongress der Bimetallisten in Köln (Oktb. 1882). SchmJb 7, pp. 273-84.
- *— 1884. Zur Kritik der Rodbertus'schen Theorie. CJB N.F. 9, pp. 462-76.
- *— 1884. Review of Hildebrand's "Theorie des Geldes". CJB N.F. 8, pp. 286-8.
- *— 1886. Neuere Schriften über Edelmetalle, Geld und Preise (Reviews). CJB N.F. 13, pp. 96-121.
- *— 1886. Die Währungsfrage und die Produktionsverhältnisse der Edelmetalle. SchmJb 10, pp. 173-214.
- *— 1886. Review of Knies' "Das Geld" (2nd ed.). SchmJb 10, pp. 995-6.
- *— 1888. Über Wertgesamtheiten. ZGS 44, pp. 601-8.
- *— 1888. Die Währungsfrage und die englische Untersuchungskommission. CJB Neue Folge 16, pp. 321-57.
- *— 1888. Geld- und Edelmetalle—neuere Schriften über (Reviews). CJB Neue Folge 17, pp. 67-79.
- *— 1888. Über gewisse Wertgesamtheiten und deren Beziehung zum Geldwert. ZGS 44, pp. 221-62.
- 1889. Review of Keleti's "Ernährungsstatistik der Bevölkerung Ungarns auf physiologischer Grundlage bearbeitet". ASS 1, pp. 351-5.
- 1890. Zur Geld- und Währungsfrage (Reviews). CJB Neue Folge 21, pp. 261-88.
- *— 1890. Review of Zuckerkanal's "Theorie des Preises". SchmJb 14, pp. 290-2.
- *— 1890. Review of Doring's "Untersuchungen über die Möglichkeit der Glückseligkeit und die wahren Triebfedern des sittlichen Handels". SchmJb 14, pp. 288-90.
- *— 1890. Review of Auspitz and Lieben's "Theorie des Preises". SchmJb 14, pp. 292-5.
- *— 1891. Review of Gerlach's "Bedingungen der wirtschaftlichen Thätigkeit". SchmJb 15, pp. 1295-8.
- *— 1891. Review of Komorzynski's "Wert in der isolierten Wirtschaft". SchmJb 15, pp. 1293-5.
- *— 1891. Review of Schmidt's "Profitrate auf Grundlage des Marx'schen Wertgesetzes". SchmJb 15, pp. 1298-1308.
- *— 1891. Review of Neumann's "Grundlagen der Volkswirtschaftslehre". SchmJb 15, pp. 1287-91.
- *— 1891. Review of Effertz' "Arbeit und Boden". SchmJb 15, pp. 1303-10.
- *— 1891. Review of Majorana's "Teoria del valore". SchmJb 15, pp. 1291-3.

- *LEXIS, W. 1893. Der gegenwärtige Stand der Silber- und Währungsfrage. *CJb* III Folge 3, pp. 11–26.
- 1894. The German Silver Commission—Prof. Lexis on. *EJ* 4, pp. 715–16.
- *— 1894. Zur Münz- und Währungsfrage (Reviews). *CJb* III Folge 7, pp. 459–94.
- *— 1894. Das Papiergeld der Zukunft. *CJb* III Folge 8, pp. 249–64.
- *— 1894. Zur Handelspolitik (Reviews). *CJb* III Folge 8, pp. 607–18.
- *— 1894. Review of Lehr's "Grundbegriffe u. Grundlagen der Volkswirtschaft". *CJb* III Folge 8, pp. 283–92.
- *— 1895. Der gegenwärtige Stand der Währungsfrage. pp. 51.
- 1895. The Concluding Volume of Marx's Capital. *QJE* 10, pp. 1–33.
- *— 1895. Bemerkungen über Parallelwährung u. Sortengeld. *CJb* III Folge 9, pp. 829–36.
- 1895. The Agio on Gold and International Trade. *EJ* 5, pp. 532–49.
- *— 1895. Review of Wicksell's "Über Wert, Kapital und Rente nach den neueren nationalökonomischen Theorien". *SchmJb* 19, pp. 332–7.
- *— 1895. Review of Schröder's "Der Wirtschaftliche Wert". *SchmJb* 19, pp. 340–2.
- *— 1895. Review of Naumann's "Die Lehre vom Wert". *SchmJb* 19, pp. 342–4.
- *— 1895. Review of Patten's "Theory of Dynamic Economics". *SchmJb* 19, pp. 337–40.
- *— 1895. Review of Fisher's "Mathematical Investigations in the Theory of Value and Prices". *SchmJb* 19, pp. 327–32.
- *— 1896. Die Währungsfrage in der neuesten Zeit. Schönbergs Handbuch der politischen Ökonomie. Band I. 4th ed., pp. 391–412.
- 1896. The Present Monetary Situation. Trans. by John Cummings. American Economic Assn. Econ. Studies 1, No. 4, pp. 217–82.
- 1896. Die Edelmetallgewinnung und Verwendung in den letzten zehn Jahren. *CJb* III Folge 11, pp. 507–57.
- 1897. The New German Exchange Act. *EJ* 7, pp. 368–84.
- 1898. Die internationale Bewegung der Edelmetalle in den letzten zehn Jahren. *CJb* III Folge 15, pp. 233–42.
- 1898. Zur Geschichte der deutschen Münzreform. *CJb* III Folge 16, pp. 98–107.
- *— 1899. Zur Lage des höheren Lehrerstandes in Preussen. *CJb* III Folge 18, pp. 289–304.
- *— 1899. Über einen neuen Versuch einer Arbeits- und Werttheorie. *SchmJb* 23, pp. 913–22.

- *LEXIS, W. 1899. Münz- und Geldwesen: neuere Schriften über. CJB III Folge 18, pp. 395–410, 528–46.
- *— 1899. Review of Wenckstern's "Marx". SchmJb 23, pp. 1561–4.
- *— 1900. Nochmals die Lage des höheren Lehrerstandes in Preussen. CJB III Folge 19, pp. 118–28.
- 1902. Review of Walras' "Éléments d'Économie Politique Pure ou Théorie de la Richesse Sociale". SchmJb 26, pp. 843–5.
- *— 1903. Abhandlungen zur Theorie der Bevölkerungs- und Moralstatistik. pp. 253.
- 1903. Die Fixierung des Wechselkurses in den Silberwährungsländern. CJB III Folge 26, pp. 289–306.
- 1903. Review of Patten's "Theory of Prosperity". SchmJb 27, pp. 1122–6.
- 1903. Review of Oppenheimer's "Bevölkerungsgesetz des T.R. Malthus und der neueren Nationalökonomie. SchmJb 27, pp. 1126–9.
- *— 1905. Review of Manes' "Versicherungswesen". CJB III Folge 29, pp. 843–5.
- 1906. Das Handelswesen. (1) Das Handelspersonal und des Warenhandel. (2) Die Effektenbörse und die innere Handelspolitik. Bibliography, p. 4. 2 vols.
- 1906. Eine neue Geldtheorie (Knapp's "Theorie des Geldes"). ASS 23, pp. 557–74.
- *— 1906. Die Knappsche Geldtheorie. CJB III Folge 32, pp. 534–45.
- 1909. Abbau. HdS 1, pp. 1–2.
- 1909. Agio. HdS 1, pp. 52.
- 1909. Allgemeine Theorie der Bevölkerung. HdS 2, pp. 913–19.
- 1909. Anthropologie und Anthropometrie. HdS 1, pp. 523–44.
- 1909. Ausfuhrprämien und Ausfuhrvergütungen. HdS 2, pp. 234–9.
- 1909. Ausfuhrzölle und Ausfuhrverbote. HdS 2, pp. 239–44.
- 1909. Die ältere Getreidehandelspolitik. HdS 4, pp. 763–70.
- 1909. Die Banken in Russland. HdS 2, pp. 486–500.
- 1909. Dienstleistungen, persönliche. HdS 3, pp. 489–91.
- 1909. Die Königliche Bank in Berlin (1765 bis 1846). HdS 2, pp. 380–4.
- 1909. Differentialzölle. HdS 3, pp. 493–5.
- 1909. Doppelwährung. HdS 3, pp. 557–71.
- 1909. Durchfuhrzölle und Durchfuhrverbote. HdS 3, pp. 573–7.
- 1909. Edelmetalle. HdS 3, pp. 578–83.
- 1909. Einfuhrprämien, Einfuhrverbote, Einfuhrzölle. HdS 3, pp. 628–43.
- 1909. Gesetz (im gesellschaftlichen und statischen Sinne). HdS 4, pp. 727–32.

- LEXIS, W. 1909. Übersicht der Zollgeschichte der Baumwollindustrie. HdS 2, pp. 707-12.
- 1909. Zollgeschichtliches. HdS 3, pp. 800-5.
- 1909. Zur Statistik des englischen Bankwesens und des deutschen Bankwesens seit 1847. HdS 2, pp. 377-80, 399-411.
- *— 1910. Allgemeine Wirtschaftslehre. pp. 259.
- 1910. Concerning the Renewal of the Reichsbank privilege. U.S.A. National Monetary Commission. The Renewal of the Reichsbank Charter. pp. 231-42.
- 1910. Das Münzwesen im allgemeinen und der neueren Zeit. HdS 6, pp. 816-24, 847-54.
- 1910. Die Allgemein Verhältnisse der Konsumtion. HdS 6, pp. 117-23.
- *— 1910. Die Bankenquete u. die Depositenfrage. CJB III Folge 40, pp. 577-98.
- 1910. Die Haushaltung vom wirtschaftlichen und sozialen Standpunkte. HdS 5, pp. 405-9.
- *— 1910. Die Kultur der Gegenwart.
- 1910. Gold und Goldwährung. HdS 5, pp. 32-44.
- 1910. Grossbetrieb und Kleinbetrieb. HdS 5, pp. 67-75.
- 1910. Grundrente. HdS 5, pp. 166-79.
- 1910. Handelspolitik. HdS 5, pp. 304-16.
- 1910. Identitätsnachweis. HdS 5, pp. 576-82.
- 1910. Industriesystem. HdS 5, pp. 628-9.
- 1910. Kameralwissenschaft. HdS 5, pp. 751-3.
- 1910. Kathedersozialismus. HdS 5, pp. 804-6.
- 1910. Kohlen. HdS 5, pp. 905-12.
- 1910. Kredit. HdS 6, pp. 220-7.
- 1910. Leinenindustrie. HdS 6, pp. 489-92.
- 1910. Maschinenwesen. HdS 6, pp. 607-15.
- 1910. Monopol. HdS 6, pp. 769-73.
- 1910. Moralstatistik. HdS 6, pp. 784-90.
- 1910. Münzbund (lateinischer). HdS 6, pp. 812-16.
- 1910. Nationalwerkstätten. HdS 6, pp. 890-4.
- 1910. Naturalwirtschaft. HdS 6, pp. 896-900.
- 1910. Papiergeld. HdS 6, pp. 984-1006.
- 1910. Parallelwährung. HdS 6, pp. 1007-1010.
- 1910. Physiokratisches System. HdS 6, pp. 1038-42.
- 1910. Produktion. HdS 6, pp. 1218-21.
- 1910. Review of Lavergne's "Théorie des Marchés Économiques". SchmJb 34, pp. 1896-1902.
- *— 1910. Review of Weber's "Über den Standort der Industrien, I. CJB III Folge 39, pp. 818-26.
- 1910. The German Bank Commission. EJ 20, pp. 211-22.

- LEXIS, W. 1910. Zur Geschichte der Preise: Altertum und die neuere Zeit. HdS 6, pp. 1166-8, pp. 1182-6.
- 1911. Allgemeines Statistik. HdS 7, pp. 824-32.
- * — 1911. Das Geldwesen—neure Schriften über. CJB III Folge 41, pp. 526-50.
- 1911. Die volkswirtschaftliche Bedeutung des Wechsels. HdS 8, pp. 657-9.
- 1911. Religionsstatistik. HdS 7, pp. 99-103.
- 1911. Scheck—Wirtschaftliche Bedeutung. HdS 7, pp. 236-41.
- 1911. Scheidemünzen. HdS 7, pp. 242-7.
- 1911. Schifffahrtspolitik. HdS 7, pp. 255-79.
- 1911. Schutzsystem. HdS 7, pp. 364-83.
- 1911. Seehandlung (Preussische Staatsbank). HdS 7, pp. 406-8.
- 1911. Silber und Silberwährung. HdS 7, pp. 502-24.
- 1911. Spekulation. HdS 7, pp. 670-3.
- 1911. Sprengstoffe. HdS 7, pp. 690-2.
- 1911. Statistik der Schiffe, des Schiffbaues und der Schifffahrt. HdS 7, pp. 300-4.
- 1911. Statistische Gebühr. HdS 7, pp. 913-14.
- 1911. Trödelhandel. HdS 7, pp. 1265-7.
- 1911. Überproduktion. HdS 8, pp. 2-9.
- 1911. Übersicht der neueren Zollverhältnisse HdS 7, pp. 433-5.
- 1911. Verteilung. HdS 8, pp. 324-34.
- 1911. Volksmögen. HdS 8, pp. 424-6.
- 1911. Vorzugsrente. HdS 8, pp. 525-9.
- 1911. Währungsfrage. HdS 8, pp. 536-8.
- 1911. Wandergewerbe. HdS 8, pp. 571-89.
- 1911. Wettbewerb. HdS 8, pp. 787-92.
- 1911. Zur Zollgeschichte der Wollenindustrie. HdS 8, pp. 956-60.
- * — (and IDELSON, WL.). 1911. Organization of Banking in Russia (From Handwörterbuch der Staatswissenschaften, 3rd edition). U.S.A. Natl. Monetary Commission, Banking in Russia, etc., pp. 1-37.
- * — 1911. Review of Hartung's "Depositengelder in der Bankenquete". CJB III Folge 41, pp. 851-3.
- 1911. Review of Lescure's "Crises générales et périodiques de surproduction". SchmJb 35, pp. 1484-6.
- * — 1911. Review of Meyer's "Rheinische Braunkohlenindustrie u. ihre wirtschaftliche Organisation". CJB III Folge 41, pp. 845-6.
- 1911. Review of Cannan's "Histoire des Théories de la Production et de la Distribution dans l'économie politique anglaise". Trans. Hy. Barrault. SchmJb 35, pp. 1481-4.

- *LEXIS, W. 1912. Vergleichende Untersuchungen über die Durchführung der Arbeiterschutzgesetze. CJB III Folge 43, pp. 1-32.
- *—— 1912. Review of Raffalovich's "Le Marché Financier". CJB III Folge 44, pp. 838-9.
- *—— 1912. Review of Lévy's "Banques d'émission et Trésors Publics". CJB III Folge 44, pp. 836-8.
- 1913. Review of Wolf's "Volkswirtschaft der Gegenwart und Zukunft." SchmJb 37, pp. 416-21.
- *—— 1913. Review of Wolf's "Internationale Zahlungswesen" CJB III Folge 46, pp. 829-32.
- 1913. Review of Touzet's "Emplois industriels des Métaux précieux". SchmJb 37, pp. 439-42.
- *—— 1913. Review of Kemmerer's "Recent Rise in the Prices of Silver and some of its Monetary Consequences". CJB III Folge 46, pp. 265-8.
- 1913. Review of Kaufmann's "Theorie und Methoden der Statistik". SchmJb 37, pp. 2089-92.
- *—— 1913. Review of Janssen's "Conventions monétaires". CJB III Folge 45, pp. 401-5.
- *—— 1913. Review of Schumpeter's "Theorie der Wirtschaftlichen Entwicklung". CJB III Folge 46, pp. 84-91.
- *—— 1913. Review of Lottin's "Quetelet, Statisticien et Sociologue". CJB III Folge 45, pp. 88-93.
- *—— 1913. Review of Manes' "Ins Land der sozialen Wunder". CJB III Folge 45, pp. 238-40.
- 1914. Review of Forcher's "Statische Methode als selbständige Wissenschaft." SchmJb 38, pp. 998-1000.
- *—— 1914. Review of Gini's "Variabilità e Mutabilità". CJB III Folge 48, pp. 403-5.
- *—— 1914. Review of Haret's "Mécanique Sociale". CJB III Folge 48, pp. 267-8.
- 1924. Die Banken in den Kontinentalen Staaten im 18. Jahrhundert. HdS 2, pp. 175-7.
- 1926. Einfuhrprämien: Einfuhrzölle. HdS 3, pp. 352-3, 366-7.
- 1926. Feingehalt der Edelmetalle (Gold und Silberwaren). HdS 3, pp. 942-3.
- *LIEBEN, RICHARD (and AUSPITZ, R.). 1889. Untersuchungen über die Theorie des Preises. pp. 555.
- 1894. Consumer's Rent. EJ 4, pp. 716-19.
- 1896. Review of Fisher's "Appreciation and Interest". ZV 6, pp. 166-7.
- 1898. Indian Currency. EJ 8, pp. 151-2.
- 1907. Eine Darstellung der Belastung durch eine Einkommensteuer. ZV 16, pp. 60-8.
- LIEFMANN, ROBERT. 1897. Die Unternehmerverbände (Konventionen, Kartelle), ihr Wesen und ihre Bedeutung. pp. 199.

- LIEFMANN, ROBERT. 1899. Die Hausverkehrer in Elsass. Verein f. Sozialpolitik 84, Hausindustrie und Heimarbeit, pp. 191-247.
- 1899. Les Caractères et les modalités des Cartels. REP 13, pp. 653-89.
- 1900. Über Wesen und Formen des Verlags. pp. 132.
- 1900. Die Allianzen, gemeinsame monopolistische Vereinigung der Unternehmer u. Arbeiter in England (Reviews). CJB III Folge 20, pp. 433-77.
- 1901. Die neueste Entwicklung der Allianzverbände in England u. auf dem Kontinent. CJB III Folge 22, pp. 114-22.
- 1901. Review of Jenks' "The Trust Problem". CJB III Folge 21, pp. 719-21.
- 1902. Krisen und Kartelle. SchmJb 26, pp. 207-19.
- 1902. Was kann heute den Kartellen gegenüber geschehen? CJB III Folge 14, pp. 786-815.
- 1902. Review of Zanten's "Arbeiterschutzgesetzgebung in den europäischen Ländern". SchmJb 26, pp. 1344-7.
- 1903. Schutzzolle und Kartelle. pp. 74.
- 1903. Neuere Französische Kartellliteratur. CJB III Folge 26, pp. 676-90.
- 1903. Die Kontradiktorischen über deutsche Kartelle. CJB III Folge 15, pp. 638-51.
- 1903. Review of Menzel's "Die Kartelle und die Rechtsordnung". CJB III Folge 15, pp. 265-7.
- 1903. Review of Huber's "Die Kartelle". CJB III Folge 15, pp. 699-702.
- 1903. Review of Grundzel's "Über Kartelle". CJB III Folge 15, pp. 107-10.
- 1904. Die bisherigen Ergebnisse der deutschen Kartellenquete. ZV 13, pp. 440-62.
- 1904. Der deutsche Buchhandel in der Kartellenquete, nebst Untersuchungen über seine Organisation u. seine voraussichtliche Weiterbildung. CJB III Folge 28, pp. 200-50.
- 1904. Über den Einfluss des internationalen Kapitalverkehrs auf die Krisen. CJB III Folge 27, pp. 169-86.
- 1904. Die Kontradiktorischen Verhandlungen im Reichsamt des Innern über den Verband deutscher Druckpapierfabriken. CJB III Folge 27, pp. 93-101.
- 1904. Review of Tschierschky's "Kartell u. Trust". CJB III Folge 27, pp. 837-40.
- 1904. Review of Leener's "Syndicats Industriels en Belgique". CJB III Folge 28, pp. 404-5.
- 1904. Review of Heymann's "Gemischten Werke im deutschen Grosseisengewerke". CJB III Folge 28, pp. 398-404.
- 1904. Review of Hirsch's "Zur Kartellfrage". CJB III Folge 27, pp. 832-4.

- *LIEFMANN, ROBERT. 1905. Zur heutigen Lage der deutschen Grossindustrie. CJB III Folge 30, pp. 657-76.
- *— 1905. Review of Whitney's "Anti-Trust Remedies under the Northern Securities Decision". CJB III Folge 29, pp. 112-13.
- *— 1906. Kartelle und Trusts: Reply to Review on. Zeitschrift f. Gesamte Staatswissenschaft 62, pp. 585-92.
- *— 1906. Review of Marx (Paul): "Unternehmerorganisationen in der deutschen Buchbinderei". CJB III Folge 31, pp. 698-9.
- *— 1906. Review of Mannstädt's "Konzentration in der Eisenindustrie und die Lage der reinen Walzwerke". CJB III Folge 32, pp. 842-3.
- *— 1906. Review of Levy's "Stahlindustrie der Vereinigten Staaten von Amerika in ihren heutigen Produktions- und Absatzverhältnissen". CJB III Folge 31, pp. 118-22.
- *— 1906. Review of Grunzel's "System der Industriepolitik". CJB III Folge 32, pp. 269-71.
- *— 1907. Ertrag und Einkommen auf der Grundlage einer subjektiven Wertlehre.
- *— 1907. Die deutsche Literatur des Jahres 1906 über Kartelle und Trusts. CJB III Folge 34, pp. 104-24.
- *— 1907. Die heutige amerikanische Trustform und ihre Anwendbarkeit in Deutschland. CJB III Folge 33, pp. 325-49.
- 1908. Die heutigen kommunistischen Gemeinden in Nordamerika. CJB III Folge 36, pp. 29-58, 145-66.
- 1909, 1913, 1921. Beteiligungs- und Finanzierungsgesellschaften: ein Studie über den modernen Effektenkapitalismus in Deutschland, den Vereinigten Staaten, der Schweiz, England, Frankreich und Belgien. pp. 582.
- 1909. Finanzierungsgesellschaften. HdS 4, pp. 261-7.
- *— 1909. Review of Bauch's "Rechtsform der Kartelle". CJB III Folge 37, pp. 411-13.
- *— 1910. Hermann Heinrich Gosser u. seine Lehre. CJB III Folge 39, pp. 483-98.
- *— 1910. Review of Levy's "Monopole, Kartelle u. Trusts in ihren Beziehungen zur Organisation der kapitalistischen Industrie". CJB III Folge 39, pp. 413-17.
- *— 1910. Review of Glowacki's "Ausfuhrunterstützungspolitik der Kartelle". CJB III Folge 39, pp. 545.
- *— 1910. Review of Pick's "Kartellvertrag nach österreichischen Recht". CJB III Folge 40, pp. 128.
- *— 1910. Review of Saint-Leon's "Cartells et Trusts". CJB III Folge 40, pp. 128-9.
- 1911. Syndikate. HdS 7, pp. 1057-64.
- 1911. Treuhandgesellschaften. HdS 7, pp. 1263-5.
- 1911. Trusts. HdS 7, pp. 1274-92.
- *— 1911. Review of Kantorowicz' "Kartell-Probleme". CJB III Folge 42, pp. 118-20.

- LIEFMANN, ROBERT. 1912, 1921. Die Unternehmungsformen mit Einschluss der Genossenschaften und der Sozialisierung. pp. 216, 259.
- 1912. Theorie des Sparens und der Kapitalbildung. SchmJb 36, pp. 1565-1642.
- 1912. Die Entstehung des Preises aus subjektiven Wertschätzungen. ASS 34, pp. 1-54, 406-69.
- * — 1912. Grundlagen einer ökonomischen Produktivitätstheorie. CJB III Folge 43, pp. 273-327.
- * — 1912. Review of Steinmann-Bacher's "Über Industriepolitik". CJB III Folge 43, pp. 810.
- 1913. Die internationale Organisation des Frankfurter Metalhandels. Weltw. Arch. 1, pp. 108-22.
- * — 1913. Das Wesen der Wirtschaft u. der Ausgangspunkt der Nationalökonomie. CJB III Folge 46, pp. 603-51.
- * — 1913. Review of "Industrial Competition and Combination" (Annals Am. Academy Soc. and Polit. Science, 42). CJB III Folge 45, pp. 393-5.
- * — 1913. Review of Fleck's "Volkswirtschaftliche Grundlagen u. weltwirtschaftliche Beziehungen". CJB III Folge 45, pp. 829-31.
- * — 1913. Review of Conrad's "Lehre von subjektiven Wert als Grundlagen der Preistheorie". CJB III Folge 45, pp. 94-7.
- * — 1913. Review of Blondel's "Les Embarras d'Allemagne". CJB III Folge 46, pp. 95-7.
- * — 1914. Wirtschaft und Technik. CJB III Folge 47, pp. 721-73.
- * — 1914. Review of Haney's "Business Organisation". CJB III Folge 48, pp. 521-4.
- * — 1914. Review of Knauth's "Policy of U.S. towards Industrial Monopoly". CJB III Folge 48, pp. 539-42.
- 1915. Die amerikanische Trustpolitik u. ihre Beurteilung im Lichte der ökonomischen Theorie. Wertw. Arch. 5, pp. 331-49.
- * — 1915. Review of Gruntzel's "Wert und Preis". CJB III Folge 50, pp. 535-9.
- 1916. Geld und Gold: ökonomische Theorie des Geldes. pp. 241.
- * — 1916. Über Objekt, Wesen u. Aufgabe der Wirtschaftswissenschaft. CJB III Folge 51, pp. 1-63, 193-249.
- * — 1916. Konkurrenz- und Monopoltheorie. ASS 41, pp. 110-43.
- 1916, 1917. Kapital und Kapitalismus. Zeitschrift f. Gesamte Staatswissenschaft 72, pp. 328-66; 73, pp. 45-100.
- * — 1916. Review of Moll's "Logik des Geldes". CJB III Folge 52, pp. 694-6.
- * — 1916. Review of Hobson's "Export of Capital". CJB III Folge 51, pp. 173-5.
- 1917-19, 1920-22. Grundsätze der Volkswirtschaftslehre: (1) Grundlagen der Wirtschaft; (2) Grundlagen der Tauschverkehrs. 2 vols.

- *LIEFMANN, ROBERT. 1917. Das Gesetz des Ausgleichs der Grenz-
erträge. CJB III Folge 53, pp. 1-64.
- 1917. Über die gegenseitige Abhängigkeit der Goldwährungen.
Weltw. Arch. 9, i, pp. 1-18.
- 1917. Review of Vogel's "Theorie des Volkswirtschaftlichen
Entwicklungsprozesses u. das Krisenproblem." CJB III Folge
54, pp. 743-9.
- 1918. Die Geldvermehrung im Weltkriege u. die Beseitigung
ihrer Folgen. pp. 199.
- 1918. Die Kartelle in und nach dem Kriege. pp. 40.
- 1918. Die Geldvermehrung im Weltkriege u. die Beseitigung
ihrer Folgen: Reply to Review of. CJB III Folge 56, pp.
612-22.
- 1918. Die Bestimmungsgründe der intervalutarischen Kurse.
Weltw. Arch. 13, i, pp. 429-38.
- 1918. Die Valutarückgänge im Weltkriege, ihre Ursachen u.
die Mittel zu ihrer Abhilfe. Weltw. Arch. 12, i, pp. 13-38.
- 1920. Kartelle und Trusts und die Weiterbildung des Volks-
wirtschaftlichen Organisation. 4th Edn. pp. 310.
- 1920. Zur Abwehr. SchmJb 44, pp. 299-304.
- 1920-1. Der finanzielle Aufbau der chemischen Grossindustrie
in Deutschland u. England. Weltw. Arch. 16, ii, pp. 335*-50*.
- 1921. Alfred Amonn als Kritiker. ASS 47, pp. 500-22.
- 1921. Handel. Handbuch der Politik 4, pp. 276-84.
- 1921. Kartelle und Trusts. Handbuch der Politik 4, pp.
265-9.
- 1922. Die Bedeutung der deutschen Industrie für Landwirt-
schaft und Industrie. Handbuch der Politik 5, pp. 368-72.
- (and AMONN, A.) 1922. Erklärung. ASS 49, pp. 558-9.
- 1923. Geschichte und Kritik des Sozialismus. 2nd Edn. pp. 182.
- 1923. Interessengemeinschaften. HdS 5, pp. 468-73.
- 1923. Kaliindustrie. HdS 5, pp. 563-73.
- 1923. Kartelle. HdS 5, pp. 611-30.
- 1923. Theorie des weltwirtschaftlichen Reichtumsausgleichs.
Weltw. Arch. 19, i, pp. 501-39.
- 1924. Les Formes d'Entreprises. pp. 287.
- 1924. Zurechnung und Verteilung. SchmJb 48, pp. 439-71.
- 1924. Review of Spiero's "Recht der Syndikate". ZGS
73, pp. 840-1.
- 1924. Review of Legge's "Kapital- und Verwaltungsüber-
fremdung bei der Industrie und den Verkehrsaustatten Deutsch-
lands von 1800 bis 1923-4". ZGS 73, pp. 454-55.
- 1924. Review of Hausmann's "Die Tochtergesellschaft"
ZGS 78, pp. 841-3.
- 1924. Review of Gestrich's "Nationalökonomische Theorie"
ZGS 78, pp. 833-6.

- LIEFMANN, ROBERT. 1925. Vom Reichtum der Nationen. Untersuchung über die sogenannten Reparationsfragen und die internationalen Verschuldungs- und Währungsprobleme. pp. 143.
- 1925. Petroleum. HdS 6, pp. 837–59.
- 1925. Nutzen und Kosten, Wert und Preis. SchmJb 49, pp. 998–1027.
- 1925–6. Subjektivismus und Objektivismus in der neueren Wirtschaftstheorie. Zeitschrift f. Gesamte Staatswissenschaft 80, pp. 38–66, 222–89.
- 1925. Review of Muller's "Geschichte der internationalen Genossenschaftsbewegung". Zeitschrift f. Gesamte Staatswissenschaft 79, pp. 570–2.
- 1926. "Universalismus" u. Wirtschaftstheorie. Weltw. Arch. 23, i, pp. 31–68.
- 1926. Review of Gautschi's "Die Aluminiumindustrie". Zeitschrift f. Gesamte Staatswissenschaft 81, pp. 551–4.
- 1926. Review of Guggenheim's "Deutschereichseigene Industriekonzern". Zeitschrift f. Gesamte Staatswissenschaft 80, pp. 562–3.
- 1927. Zur Theorie und Systematik der Genossenschaften. SchmJb 51, pp. 103–34.
- 1927. Neue Literatur über H. H. Gossen. Zeitschrift f. d. G. Staatswissenschaft 83, pp. 500–17.
- 1928. Ein 100jähriges Kartell: Der Neckarsalinenverein. Vierteljahrschrift für Sozial- und Wirtschaftsgeschichte 21.
- 1929. Das Geldertragsstreben als Organisationsprinzip des Tauschverkehrs. Zeitschrift für Nationalökonomie 1.
- MENGER, KARL. 1877, 1923. Grundsätze der Volkswirtschaftslehre. pp. 335.
- 1883. Untersuchung über die Methode der Sozialwissenschaften und die politische Ökonomie insbesondere. pp. 291.
- *— 1888. Zur Theorie des Kapitals. CJB Neue Folge 17, pp. 1–49.
- 1889. Grundzüge einer Klassifikation der Wirtschaftswissenschaften. CJB Neue Folge 19, pp. 465–96.
- *— 1891. Lorenz von Stein. CJB Dritte Folge 1, pp. 193–209.
- *— 1892. Der Übergang zu Goldwährung. Untersuchungen über die Wertprobleme der Österreich-Ungarn. pp. 36.
- *— 1892. Beiträge zur Währungs-Frage in Österreich-Ungarn. pp. 59.
- *— 1892. Der Gesetzentwurf, betreffend die Feststellung der Kronenwährung in Österreich-Ungarn. CJB III Folge 3, pp. 741–51.
- *— 1892. Die Valutaregulierung in Oesterreich-Ungarn. CJB III Folge 3, pp. 496–515, 641–69; 4, 39–55.
- 1892. The Origin of Money. EJ 2, pp. 239–55.
- 1893. Preface to Lorini's "Questione della Valuta in Austria-Ungaria". pp. i–iv.

- MISES, L. von. 1902. Die Entwicklung des gutsherrlichbäuerlichen Verhältnisses in Galizien (1772-1848). pp. 144.
- 1904. Zur Frage der Altersversorgung der Arbeiter. ZV 13, pp. 463-5.
- 1905. Zur Geschichte der Österreichischen Fabrikgesetzgebung. ZV 14, pp. 209-71.
- 1907. Die wirtschaftlichen Motive der Österreichischen Valuta-regulierung. ZV 16, pp. 561-82.
- 1907. Review of Landau's "Entwicklung des Warenhandels in Österreich". ZV 16, pp. 349.
- 1909. The Foreign Exchange Policy of the Austro-Hungarian Bank. EJ 19, pp. 201-11.
- 1909, 1910. Das Problem gesetzlicher Aufnahme der Barzahlungen in Österreich-Ungarn. SchmJb 33, pp. 985-1037; 34, 1877-88.
- 1910. La Réforme financière en Autriche. REI 4, pp. 39-59.
- 1910-12. Geld- und Bankwesen—Neue Literatur über (reviews). ZV 19, pp. 385-95; 21, pp. 669-76.
- 1912, 1924. Theorie des Geldes und der Umlaufsmittel. pp. 476, 420.
- 1912. Das vierte Privilegium der Österreichisch-Ungarischen Bank: Entgegnung. ZV 21, pp. 611-24, 753-7.
- 1913. Die Allgemeine Teuerung im Lichte der Nationalökonomie. ASS 37, pp. 557-76.
- 1915. Die Störungen im Wirtschaftsleben der österreichisch-ungarischen Monarchie während der Jahre 1912-13. ASS 39, pp. 176-86.
- 1916-17. Vom Ziel der Handelspolitik. ASS 42, pp. 561-85.
- 1917-18. Zur Klassifikation der Geldtheorien. ASS 44, pp. 198-213.
- 1919. Nation, Staat und Wirtschaft: Beiträge zur Politik und Geschichte der Zeit. pp. 182.
- 1920. Die Wirtschaftsrechnung im Sozialistischen Gemeinwesen. ASS 47, pp. 86-121.
- 1921. Die Arbeit im sozialistischen Gemeinwesen. ZV N.F. 1, pp. 459-76.
- 1921. Review of Oswalt's "Vorträge über wirtschaftliche Grundbegriffe". ZV N.F. 1, pp. 142-3.
- 1922. Die Gemeinwirtschaft: Untersuchungen über den Sozialismus. pp. 503.
- 1922. Review of Spalding's "Eastern Exchange, Currency and Finance". ZV N.F. 2, pp. 169-70.
- 1923. Die Geldtheoretische und Geldrechtliche Seite des Stabilisierungsproblems. pp. 75.
- 1923. Neue Beiträge zum Problem der Sozialistischen Wirtschaftsrechnung. ASS 51, pp. 488-500.
- 1924. Review of Seibt's "Deutschlands Kraute Wirtschaft und ihre Wiederherstellung". SchmJb 48, pp. 334-5.

- MISES, L. VON. 1924. Review of Helfferich's "Das Geld". ZV N.F. 4, pp. 160-1.
- 1925. Theorie der Preistaxen. HdS 6, pp. 1055-62.
- 1925. Antimarxismus. Weltw. Arch. 21, i, pp. 1-21.
- 1925. Review of Edgeworth's "Papers Relating to Political Economy". SchmJb 49, pp. 1400-1.
- 1926. Sozialliberalismus. Zeitschrift f. Gesamte Staatswissenschaft 81, pp. 242-79.
- 1926. Interventionismus. ASS 56, pp. 610-53.
- 1927. Review of Keynes' "Das Ende des Laissez-Faire". ZGS 82, pp. 190-1.
- 1928. Bemerkungen zum Grundproblem der Subjektivischen Wertlehre. ASS 59, pp. 32-47.
- *OPPENHEIMER, F. 1896. Die Siedelungsgenossenschaft: Versuch einer positiven Überwindung des Kommunismus durch Lösung des Genossenschaftsproblems und der Agrarfrage. pp. 638.
- *— 1897. Grossgrundeigentum und Soziale Frage. pp. 504.
- 1900. Käufer und Verkäufer. SchmJb 24, pp. 123-72.
- *— 1901. Das Bevölkerungsgesetz des T. R. Malthus und der neueren Nationalökonomie. pp. 168.
- 1901. Review of Gide's "La Coopération". ASS 16, pp. 759-67.
- *— 1903. Das Grundgesetz der Marx'schen Gesellschaftslehre. pp. 148.
- 1903. Une Nouvelle Loi de la Population. REP 17, pp. 333-54.
- 1904. Zur Theorie des Sozialliberalismus. SchmJb 28, pp. 1511-23.
- *— 1905. Englischer Imperialismus. pp. 64.
- 1907. Le Problème des Salaires. REI 3, pp. 113-31.
- *— 1909. David Ricardos Grundrententheorie. Darstellung und Kritik. pp. 255.
- *— 1911. Gibt es bei David Ricardo eine absolute Grundrente? CJb III Folge 42, pp. 795-811.
- 1912. Zum Malthus-Problem. ASS 35, pp. 528-43.
- 1914. Zur Geldtheorie (Reviews). Weltw. Arch. 2, i, pp. 181-90.
- 1914. Die Wohnungsfürsorge in Österreich. ZV 23, pp. 672-80.
- 1917. Die Kaufkraft des Geldes (Reviews). Weltw. Arch. 10, i, pp. 244-63.
- 1917. Zur Tendenz der europäischen Entwicklung (Reviews). Weltw. Arch. 9, i, pp. 72-6.
- 1918, 1921. Das Bodenmonopol (Zu Schumpeter's "Grundprinzip der Verteilungslehre"). ASS 44, pp. 487-94; 45, pp. 866-75.
- 1918. Die Revolutionierung der Revolutionäre (Reviews). Weltw. Arch. 12, i, pp. 321-33.
- *— 1919. Der Ausweg.
- 1919. Theorie der reinen und politischen Ökonomie: Ein Lehr- und Lesebuch für Studierende und Gebildete. 4th Edn. pp. 738.

- OPPENHEIMER, F. 1919. Review of Brentano's "Ist das 'System Brentano' zusammengebrochen?" *Weltw. Arch.* 14, i, pp. 74-6.
- 1920. *Staat und Gesellschaft. Handbuch der Politik* 1, pp. 117-25.
- 1922. *System der Soziologie: (1) Allgemeine Soziologie: Erster Halbband. Grundlegung.* pp. 442.
- 1922. *Wert u. Kapitalprofit.* pp. 226.
- 1923. *The State: its history and development viewed sociologically.* Trans. by J. M. Gitterman. pp. 302.
- 1923, 1924. *System der Soziologie: Bd. III. Theorie der reinen und politischen Ökonomie.* 1er Hbd. *Grundlegung*; 2er Hbd. *Gesellschaftswirtschaft.* 5th Edn. pp. 337, 340-1148.
- 1924. *Wege zur Gemeinschaft. Gesammelte Reden und Aufsätze. Bd. I.* pp. 572.
- 1925-6. *Zur Neubegründung der objektiven Wertlehre.* ZV N.F. 5, pp. 108-24, 556-83.
- 1926. *Der Arbeitslohn: Kritische Studie.* pp. 74.
- 1926. *System der Soziologie. Bd. II. Der Staat.* Bibliog. pp. 812-21, 859.
- 1926. *Achille Lorias Theorie der reinen Wirtschaft (Review).* *Weltw. Arch.* 24, ii, pp. 140*-8**.
- 1926. *Die moderne Soziologie u. Ferdinand Tönnies (Reviews).* *Wertw. Arch.* 23, i, pp. 187*-208**.
- 1926. *Staat.* HdS 7, pp. 757-80.
- 1927. *Gesellschaft und Staat.* ASS 58, pp. 179-85.
- 1928. *Theorie des Ertrages.* SchmJb 52, pp. 249-59.
- 1929. *Alfred Amonns Auffassung.* SchmJb 53.
- PHILIPPOVICH, E. VON. 1884, 1911. *Die Bank von England im Dienste der Finanzverwaltung des Staats.* pp. 217.
- 1884, 1911. Trans. by C. Meredith with introduction by H. S. Foxwell (U.S.A. Monetary Commission). pp. 297.
- 1886. *Über Aufgabe und Methode der politischen Ökonomie.* pp. 55.
- 1886. *Review of Reports on Trade Gilds of Europe.* CJb N.F. 12, pp. 361-2.
- 1886. *Review of Reports of Commission on Depression of Trade and Industry.* CJb N.F. 12, pp. 363-4; 13, pp. 171-4, 561-2.
- 1886. *Review of Birckbeck's "Historical Sketch of the Distribution of Land in England".* CJb N.F. 13, pp. 557-8.
- 1887. *Der Bericht der Trade-Depression Committee.* CJb Neue Folge 14, pp. 446-65.
- 1887. *Review of "Science Economic Discussion".* CJb Neue Folge 15, pp. 238-9.
- 1887. *Review of Roscher and Jannasch's "Kolonien, Kolonialpolitik und Auswanderung".* CJb Neue Folge 15, pp. 238-43.

- *PHILIPPOVICH, E. VON. 1887. Review of Peter's "Kolonialpolitische Aufsätze". SchmJb 11, pp. 1336-8.
- *— 1888. Kolonien u. Kolonialpolitik—neuere Literatur über (Reviews). CJB Neue Folge 16, pp. 47-55.
- *— 1888. Die wirtschaftliche Gesetzgebung Englands in den Jahren 1886 u. 1887. CJB Neue Folge 17, pp. 80-93, 189-210.
- 1889. Review of Lotz' "Geschichte u. Kritik des deutschen Bankgesetzes von März, 1875". CJB Neue Folge 18, pp. 459-61.
- 1889. Review of Jacoby's "Deutsche Zettelbankreform im Jahre 1891". CJB 18 Neue Folge, pp. 459-61.
- 1889. Review of Böhm-Bawerk's "Kapital- und Kapitalzins". ZGS 45, pp. 568-74.
- 1890. Die Verlängerung des Reichsbankprivilegiums. CJB Neue Folge 20, pp. 275-88.
- 1890. Die Soziale Lage der Cigarrenarbeiter im Grossherzogtum Baden. ASS 3, pp. 368-77.
- *— 1890. L'Émigration Européene. REP 4, pp. 341-72.
- 1890. Review of Smith's "Emigration and Immigration". CJB 21 Neue Folge, pp. 427-9.
- 1891. Emigration from the European Point of View. QJE 5, pp. 507-15.
- 1891. The Verein für Sozialpolitik. QJE 5, pp. 220-37.
- *— 1891. Review of Schmoller's "Sozial u. Gewerbepolitik der Gegenwart". CJB Dritte Folge 1, pp. 127-30.
- *— 1892. Wirtschaftlicher Fortschritt und Kulturentwicklung. pp. 50.
- *— 1892. Auswanderung und Auswanderungspolitik in Deutschland. pp. 479.
- 1892. Die staatlich unterstützte Auswanderung im Grossherzogtum Baden. Archiv f. Soziale Gesetzgebung und Statistik 5, pp. 27-69.
- 1892. Der Entwurf eines Auswanderungsgesetzes. Archiv f. Soziale Gesetzgebung 5, pp. 638-57.
- 1893-9, 1904, 1905, 1920. Grundriss der Politischen Ökonomie (1) Allgemeine Volkswirtschaftslehre, (2) Volkswirtschaftspolitik (with Bibliographies). pp. 408.
- 1893, 1897, 1899. Allgemeine Volkswirtschaftslehre . . . (Handbuch des Öffentlichen Rechts. Einleitungsband). pp. 392.
- 1893. Die Vereinigten Staaten und die Europäische Auswanderung. Archiv f. Soziale Gesetzgebung und Statistik 6, pp. 259-89.
- *— 1893. Die italienische Auswanderung. SchmJb 17, pp. 561-74.
- *— 1893. Review of "Auswanderung und Auswanderungspolitik in Deutschland". SchmJb 17, pp. 616-19.
- 1894. Wiener Wohnungsverhältnisse. Archiv f. Soziale Gesetzgebung und Statistik 7, pp. 215-77, 595-625.
- 1894. Arbeiterausschüsse und Einigungsämter in Österreich. Archiv f. Soziale Gesetzgebung und Statistik 7, pp. 595-625.

- PHILIPPOVICH, E. VON. 1895. Review of Singer's "Das Recht auf Arbeit in geschichtlicher Darstellung". ZV 4, pp. 364-5.
- (and SOMARY, F.). 1899, 1912. Grundriss der Politischen Ökonomie, 2, part 2, Volkswirtschaftspolitik. pp. 442.
- 1899. Organisation der Berufsinteressen. ZV 8, pp. 1-22.
- 1900. The Strike of the Bohemian Coal Miners. EJ 10, pp. 261-4.
- 1900. Review of Adler's "Über die Lage des Handwerks in Österreich". SchmJb 24, pp. 385-9.
- 1900. Review of Kaltmann's "Entwertung der Österreichischen Valuta im Jahre 1893 und ihre Ursachen". SchmJb 24, pp. 385-9.
- 1900. Review of Kraus' "Die Wirtschaft und Verwaltungspolitik des aufgeklärten Absolutismus". SchmJb 24, pp. 385-9.
- 1900. Review of Sieghart's "Geschichte und Statistik des Zahlenlotos in Österreich". SchmJb 24, pp. 385-9.
- 1902. Die Österreichisch-ungarische Handelspolitik u. die Interessen Österreichs. ZV 11, pp. 441-94.
- 1902. Austrian-Hungarian Trade Policy. EJ 12, pp. 177-81.
- 1904. La Politique Agricole: trans. by Savinien Boruysy.
- 1905. Individuelle Verantwortlichkeit u. gegenseitige Hilfe im Wirtschaftsleben. ZV 14, pp. 547-70.
- 1905. Die wissenschaftliche Behandlung des Transportwesens. ZV 14, pp. 1-28.
- 1905. Review of Schuller's "Schutzzoll u. Freihandel". ZV 14, pp. 424-7.
- 1906. Das Einkommen nach dem Beruf und nach der Stellung im Berufe in Österreich. ZV 15, pp. 476-500.
- 1906. Review of Esslen's "Gesetz des abnehmenden Bodenertrages seit Justus Liebig". ZV 15, pp. 432-3.
- 1906. Review of Holländer and Barnett's "Studies in American Trade Unionism". ZV 15, 429-30.
- 1906. Review of Lévy's "Stahlindustrie der Vereinigten Staaten von Amerika." ZV 15, pp. 433-5.
- 1906. Review of Seligman's "Principles of Economics". ZV 15, pp. 430-2.
- 1906. Review of Steffen's "Studien zur Geschichte der englischen Lohnarbeiter etc." ZV 15, 630-2.
- 1907. La Réglementation de la Distribution du Revenu par la Politique économique. Revue Economique Internationale, 4th year, 1, pp. 443-78.
- 1907. Die Regelung der Einkommensverteilung durch die Wirtschaftspolitik. ZV 16, pp. 149-69.
- 1907. Review of Leiter's "Verteilung des Einkommens in Österreich". ZV 16, pp. 352-3.
- 1908. Wirtschaftliche-Politik, 2 vols. (Trans. into Japanese by Prof. Kiga). pp. 708.

- PHILIPPOVICH, E. VON. 1909. Accise. HdS 1, pp. 20-5.
- 1909. Auswanderung. HdS 2, pp. 259-303.
- 1909. Die Banken in Belgien, in Frankreich und in den Vereinigten Staaten. HdS 2, pp. 453-63, 518-33.
- 1909. Damfersubvention. HdS 3, pp. 440-8.
- 1909. L'Infiltration des idées sociales dans la littérature économique allemande. REP 23, pp. 657-81, 774-805.
- 1909. Review of Beuteloup's "Travail de nuit dans la Boulangerie". ZV 18, pp. 798.
- 1909. Review of Kulemann's "Die Berufsvereine". ZV 18, pp. 798-801.
- 1909. Review of Mayer's "Statistik u. Gesellschaftslehre". ZV 18, pp. 801-4.
- 1910. Die Entwicklung der wirtschaftspolitischen Ideen im 19. Jahrhundert. pp. 144.
- 1910. Review of Liefmann's "Beteiligungs u. Finanzierungsgesellschaften". ZV 19, pp. 180-3.
- 1910. Review of Levy's "Monopole, Kartelle u. Trusts in ihren Beziehungen zur Organisation der kapitalistischen Industrie". ZV 19, pp. 184-5.
- 1910. Review of Small's "The Cameralists, the Pioneers of German Social Policy". ZV 19, pp. 183-4.
- 1911. Review of "The Iron Resources of the World". ZV 20, pp. 277-9.
- 1914. Monopole u. Monopolpolitik. ZV 23, p. 703.
- 1914. Le Mouvement ouvrier et la Réforme Sociale en Angleterre. Revue Economique Internationale, 11th year, 1, pp. 7-28.
- 1914. Geld-, Kredit- und Bankwesen—neuere Literatur über. ZV 23, pp. 118-44.
- 1914. Review of "Ruhrhäfen, ihre Industrie u. ihr Handel". ZV 23, pp. 153-4.
- 1915. Ein Wirtschafts- und Zollverband zwischen Deutschland u. Österreich-Ungarn.
- 1915. Ein neuer "Grundriss der Sozialökonomik" (Review). ASS 39, pp. 819-31.
- 1915. Deutschland und der Weltkrieg. ZV 24, pp. 676-726.
- 1915. Review of Oehlker's "Über die Wirksamkeit tarifwidriger Arbeitsverträge". ZV 24, pp. 800-1.
- 1916-17. Die Politik der Vereinigten Staaten in bezug auf individuelle und Verkehrsmittelmonopole. ASS 42, pp. 213-29.
- 1916. Neuere Literatur über Banken und Börse. SchmJb 40, pp. 1481-1518.
- 1916. Das Eisenwerk Witkowitz. ZV 25, pp. 209-18.
- 1916. Review of Schäfer and Lübstorff's "Volkswirtschaft u. Versicherung mit besonderer Berücksichtigung der Kapitalkraft der deutschen Versicherungsgesellschaften". ZV 25, pp. 616-17.

- *PHILIPPOVICH, E. VON. 1917. Review of Diehl's "Theoretische Nationalökonomie". CJB III Folge 53, pp. 110-15.
- 1924. Entwicklungsgang der wirtschafts- und Sozialpolitischen Systeme und Ideale. (1) Die Entwicklung bis zum Kriege: Grundriss der Sozialökonomie 1, i, pp. 126-83.
- *SAX, EMIL. 1869. Die Wohnungszustände der arbeitenden Klasse und ihre Reform.
- 1878-9, 1918-22. Die Verkehrsmittel in Volks- und Staatswirtschaft. 2 vols., 3 vols.
- *— 1883. Die Österreichische Gewerbenovelle von 1883. SchmJb 7, pp. 867-908.
- *— 1884. Das Wesen und die Aufgaben der Nationalökonomie. pp. 104.
- *— 1887. Grundlegung der theoretischen Staatswirtschaft. pp. 574.
- *— 1889. Die neuesten Fortschritte der Nationalökonomie. pp. 32.
- 1892. Die Progressivsteuer. ZV 1, pp. 43-101.
- *— 1894. Review of Gans-Ludassy's "Die Wirtschaftliche Energie" I. CJB III Folge 8, pp. 110-16.
- *— 1916. Der Kapitalzins. pp. 1249.
- 1918. Allgemeine Verkehrslehre. (Vol. 1 of "Die Verkehrsmittel in Volks- und Staatswirtschaft".) pp. 198.
- 1920. Land- und Wasserstrassen, Post, Telegraph, Telephon. (Vol. 2 of "Die Verkehrsmittel in Volks- und Staatswirtschaft".) pp. 533.
- 1922. Die Eisenbahnen. (Vol. 3 of "Die Verkehrsmittel in Volks- und Staatswirtschaft".) pp. 614.
- SCHUMPETER, JOSEF. 1906. Professor Clark's Verteilungstheorie. ZV 15, pp. 325-83.
- 1906. Über die mathematische Methode der theoretischen Ökonomie. ZV 15, pp. 30-49.
- 1906. Review of Deutsch's "Qualifizierte Arbeit u. Kapitalismus." ZV 15, pp. 98-9.
- 1906. Review of Karmin's "Zur Lehre von den Wirtschaftskrisen". ZV 15, pp. 95-7.
- 1906. Review of Leonhard's "Neue Feststellung des Wertbegriffes und ihre Bedeutung für die Volkswirtschaft". SchmJb 30, pp. 1271.
- 1907. Das Rentenprinzip in der Verteilungslehre. SchmJb 31, pp. 31-65, 153-96.
- 1907. Review of Waxweiler's "Esquisse d'une Sociologie". EJ 17, pp. 109-11.
- 1908. Einige neuere Erscheinungen auf dem Gebiete der theoretischen Nationalökonomie. ZV 17, pp. 402-19.
- 1909. Bemerkungen über das Zurechnungspolitik. ZV 18, pp. 79-132.
- 1909. Review of Mannstaedt's "Kapitalische Anwendung der Maschinerie". ZV 18, pp. 680-1.

- SCHUMPETER, JOSEF. 1910. Review of Weber's "Über den Standort der Industrien" Part I. SchmJb 34, pp. 1356-9.
- 1909. Review of Fisher's "Nature of Capital and Income". ZV 18, pp. 679-80.
- 1910. Das Wesen und der Hauptinhalt der theoretischen Nationalökonomie. pp. 626.
- 1910, 1915. Wie Studiert Man Sozialwissenschaft? pp. 54, bibliog. pp. 46-54.
- 1910. Marie Éspirit Léon Walras. ZV 19, pp. 397-402.
- 1910. Die neuere Wirtschaftstheorie in den Vereinigten Staaten. SchmJb 34, pp. 913-63.
- 1910. Über das Wesen der Wirtschaftskrisen. ZV 19, pp. 265-70.
- 1910. Review of O. Conrad's "Lohn und Rente". CJB III Folge 39, pp. 827-31.
- 1911. Neuere Erscheinungen auf dem Gebiete der Nationalökonomie (Reviews). ZV 20, pp. 240-52.
- 1911. Review of Lexis' "Allgemeine Volkswirtschaftslehre". ASS 32, pp. 865-7.
- 1912, 1926. Theorie der Wirtschaftlichen Entwicklung: eine Untersuchung über Unternehmervergewinn, Kapital, Kredit, Zins und den Konjunkturzyklus. pp. 369.
- 1912. Neue nationalökonomische Lehrbücher u. Lehrbehelfe. ZV 21, pp. 281-93.
- 1912. Review of Stolzmann's "Soziale Kategorie in der Volkswirtschaftslehre" und "Der Zweck in der Volkswirtschaft". SchmJb 36, pp. 928-34.
- 1913. Eine "dynamische" Theorie des Kapitalzinses. ZV 22, pp. 599-639.
- 1913. Zinsfuß und Geldverfassung. Gesellschaft Österreichischer Volkswirte. Jahrbuch 1913, pp. 38-64.
- 1913. Review of Quaritsch's "Kompendium der Nationalökonomie". ASS 36, pp. 238-40.
- 1913. Review of Oppenheimer's "Theorie der reinen u. politischen Ökonomie". ZV 22, pp. 797-800.
- 1913. Review of Moore's "Laws of Wages". ASS 36, pp. 256-8.
- 1913. Review of Maunier's "Origine et la Fonction économique des villes". ASS 36, pp. 255-6.
- 1913. Review of Mollat's "Volkswirtschaftliches Quellenbuch". ASS 36, pp. 240.
- 1913. Review of Loria's "Synthèse économique, étude sur les lois de Revenu". ASS 36, pp. 252-4.
- 1913. Review of Lloyd's "Theory of Distribution and Consumption". ASS 36, pp. 251-2.
- 1913. Review of Lavergne's "Théorie des Marchés Économiques". ASS 36, pp. 249-51.

- SCHUMPETER, JOSEF. 1913. Review of Haret's "Mécanique société". ASS 36, pp. 240-1.
- 1913. Review of Fisher's "De la Nature du Capital et du Revenue". ASS 36, pp. 246-8.
- 1913. Review of Bundsmann's "Das Kapital, wirtschaftstheoretische Skizzen". ASS 36, pp. 244-6, 677-9.
- 1913. Review of Bonar's "Disturbing Elements in the Study and Teaching of Political Economy". ASS 36, pp. 243-4.
- 1913. Review of Adler's "Leitfaden der Volkswirtschaftslehre" ASS 36, pp. 238-40.
- 1914. Das Wissenschaftliche Lebenswerk E. von Böhm-Bawerks. ZV 23, pp. 454-528.
- 1915. Vergangenheit und Zukunft der Sozialwissenschaft. pp. 140.
- 1915. Die Wellenbewegung des Wirtschaftslebens. ASS 39, pp. 1-32.
- 1916. Das Grundprinzip der Verteilungstheorie. ASS 42, pp. 1-88.
- 1917. Das Grundprinzip der Verteilungslehre: Entgegnung auf Dr. Oppenheimer's Artikel. ASS 44, pp. 495-502.
- 1917. Das Sozialprodukt und die Rechenpfennige. ASS 44, pp. 627-715.
- 1918. Die Krisis des Steuerstaats. pp. 75.
- 1919. Zur Soziologie der Imperialismen. pp. 76.
- 1921. Karl Menger. ZV N.F. 1, pp. 197-206.
- 1921. Sozialistische Möglichkeiten von heute. ASS 48, pp. 305-60.
- 1923. Angebot. HdS 1, pp. 299-303.
- (and BÖHM-BAWERK, E. VON). 1923. Kapital. HdS 5, pp. 576-84.
- 1924. Epochen der Dogmen- und Methodengeschichte. Gröndniss der Sozialökonomik. 1, i, pp. 19-125.
- 1925. Edgeworth u. die neuere Wirtschaftstheorie. Weltw. Arch. 22, i, pp. 183-202.
- 1925. Kreditkontrolle. ASS 54, pp. 289-328.
- 1926. Steuerkraft und nationale Zukunft. Der Deutsche Volkswirt. 1, i, pp. 13-16.
- 1926. Theorie der wirtschaftlichen Entwicklung. 2nd Edn. pp. 369.
- 1927. Cassels Theoretische Sozialökonomik. SchmJb 51, pp. 241-60.
- 1927. Die Sozialen Klassen. ASS 57, pp. 1-67.
- 1927. Sombarts Dritter Band. SchmJb 51, pp. 349-67.
- 1927. Zur Frage der Grenzproduktivität. SchmJb 51, pp. 671-80.
- 1927. Zur Einführung der folgenden Arbeit Knut Wicksells. ASS 58, pp. 238-51.

- SCHUMPETER, JOSEF. 1927. The Explanation of the Business Cycle. *Eg* 7, 286-311.
- 1928. Staatsreferend und Staatsassessor. *SchmJb* 52, pp. 703-20.
- 1928. The Instability of Capitalism. *EJ* 38, 361-86.
- SPIETHOFF, A. 1900. Review of Scharling's "Bankpolitik". *SchmJb* 24, pp. 1226-32.
- 1900. Review of Manne's "Der Diskont". *SchmJb* 24, pp. 1232-5.
- 1900. Review of Helfferich's "Studien über Geld- und Bankwesen". *SchmJb* 24, pp. 805-8.
- 1900. Review of Bachmann's "Effektenspekulation mit besonderer Berücksichtigung der Ergebnisse der deutschen Börsenquote". *SchmJb* 24, pp. 807-9.
- 1900. Review of Apelt's "Konsumtion der wichtigen Kulturländer in den letzten Jahrzehnten". *SchmJb* 24, pp. 392-4.
- 1901. Review of Eberstadt's "Deutsche Kapitalmarkt". *SchmJb* 25, pp. 1174-81.
- 1901. Review of Landmann's "System der Diskontpolitik". *SchmJb* 25, pp. 787.
- 1901. Review of Weber's "Die Geldqualität der Banknote". *SchmJb* 25, pp. 346-9.
- 1902. Vorbemerkungen zu einer Theorie der Überproduktion. *SchmJb* 26, pp. 721-305.
- 1902. Review of Hecht's "Die Mannheimer Banken 1870-1900". *SchmJb* 26, pp. 1749-54.
- 1903. Die Krisentheorien von M. v. Tugan-Baronowsky und L. Pohle. *SchmJb* 27, pp. 679-708.
- 1906. Review of Albrecht's "Soziale Wohlfartspflege". *SchmJb* 24, pp. 1223-4.
- 1909. Die äussere Ordnung des Kapital- und Geldmarktes. *SchmJb* 33, pp. 445-67.
- 1909. Der Kapitalmangel in seinem Verhältnisse zur Güterwelt. *SchmJb* 33, pp. 1417-37.
- 1909. Das Verhältnis von Kapital, Geld und Güterwelt. *SchmJb* 33, pp. 927-51.
- (and MEISEL, F.). 1915. Österreichs Finanzen und der Krieg. pp. 36.
- 1916. Gründe für und wider einen deutsch-österreich-ungarische Zollverband. *Verein f. Sozialpolitik* 155, i, pp. 1-59.
- 1918. Gustav v. Schmoller. *SchmJb* 42, pp. 11-30.
- 1918. Die Kreditkrise. *SchmJb* 42, pp. 571-614.
- 1918. Die Krisenarten. *SchmJb* 42, pp. 223-6.
- 1919. Einige Bemerkungen zur Lehre von der Sozialisierung. *SchmJb* 43, pp. 437-58.
- 1920. Der Begriff des Kapital- und Geldmarktes. *SchmJb* 44, pp. 981-1000.

- SPIETHOFF, A. 1922. Die Vereinbarung der deutschen Unterrichtsverwaltung über die Diplomprüfung für Volkswirte vom 27. Jänner, 1922. *SchmJb* 46, pp. 875-92.
- 1923. An die Jahrbuch Leser. *SchmJb* 47, pp. 1-3.
- 1924. Zum Abschluss. *SchmJb* 48, pp. 321-3.
- 1925. Krisen. *HdS* 6, pp. 8-91.
- *WAGNER, ADOLPH. 1864. Die Gesetzmässigkeit in den scheinbar willkürlichen menschlichen Handlungen vom Standpunkte der Statistik. 2 vols.
- 1868. Die russische Papierwährung. pp. 292.
- 1870. System der deutschen Zettelbankgesetzgebung. pp. 778.
- 1870. Die Abschaffung des Privaten Grundeigentums. pp. 84.
- 1871-2. Lehrbuch der Finanzwissenschaft revised and partly re-written. 2 vols.
- 1871-6. Das Reichsfinanzwesen. *Jahrbuch f. Gesetzgebung, Verwaltung und Reichspflege* 1, pp. 581-645; 3, pp. 60-250.
- 1872. Rede über die sociale Frage. pp. 38.
- 1873. System der Zettelbankpolitik mit besonderer Rücksicht auf das geltende Recht u. auf deutsche Verhältnisse. pp. 788.
- 1873. Das Actiengesellschaftswesen. *CJb* 21, pp. 271-340.
- 1874. Die volkswirtschaftlichen Wirkungen der französischen Kriegsentschädigung (reviews). *CJb* 22, pp. 379-89.
- 1875. Die Zettelbankreform im Deutschen Reiche. pp. 193.
- 1877, 1883. Finanzwissenschaft. Erster Teil. (Lehrbuch der Politischen Ökonomie von Adolph Wagner und Erwin Nasse. 5ter Bd.). pp. 792.
- 1878. Einiges von und über Rodbertus-Jagetzow. *ZGS* 34, pp. 199-238.
- 1878. Rodbertus-Jagetzow über den Normalarbeitstag, nebst einem Briefwechsel darüber zwischen Rodbertus und dem Architecten H. Peters. *ZGS* 34, pp. 322-68.
- 1878. Review of Goldschmidt's "Dreijährige Studium der Rechts- und Staatswissenschaften". *ZGS* 34, pp. 411-15.
- 1879. Über die schwebenden deutschen Finanzfragen. *ZGS* 35, pp. 68-114.
- 1880, 1881. Die Währungsfrage in der neuesten Literatur. *ZGS* 36, pp. 750-70; 37, pp. 210-23.
- 1880. Review of Neumann's "Fabel von die jüdischen Masseneinwanderung". *ZGS* 36, pp. 777-83.
- 1881. Für bimetallistische Münzpolitik Deutschlands. pp. 107.
- 1881. Bemerkungen über einige Punkte des Versicherungswesens. *CJb Neue Folge* 2, pp. 164-74.
- 1881. Der Staat und das Versicherungswesen. Principielle Erörterungen über die Frage der gemeinwirtschaftlichen oder privatwirtschaftlichen Organisation dieses Gebietes im Allgemeinen. *ZGS* 37, pp. 102-72, 238-4.

- WAGNER, ADOLPH: 1881. Review of George's "Fortschritt und Armuth". ZGS 37, pp. 619-24.
- 1881. Review of Wappäus' "Einleitung in das Studium der Statistik". ZGS 37, pp. 625-8.
- 1882. Credit u. Bankwesen. Schönberg's Handbuch 1, pp. 285-368.
- 1882. Die Ordnung der Finanzwirtschaft u. der öffentliche Credit. Schönberg's Handbuch 2, pp. 413-64.
- 1882. Specielle Steuerlehre. Schönberg's Handbuch. 2, pp. 149-272.
- 1882. Versicherungswesen. Schönberg's Handbuch 1, pp. 1133-92.
- 1883. Review of Schönberg's "Handbuch der Politischen Ökonomie in Verbindung mit 21 verschiedenen Gelehrten und Praktikum". ZGS 39, pp. 258-72.
- 1884. Grundlegung der politischen Ökonomie. II. Volkswirtschaft und Recht, besonders Vermögensrecht (3 vols). pp. 582.
- 1886. The Present State of Political Economy. QJE 1, pp. 113-33.
- *— 1887. Über eine Aufgabe der Statistik der Preise: Auszug aus dem Bulletin de l'Institut international de Statistique. pp. 15.
- 1887. Finanzwissenschaft und Staatssozialismus, mit einer Einleitung über Stein's und Roscher's "Finanzwissenschaft". ZGS 43, pp. 37-122, 675-746.
- 1887. Review of Philippovich's "Bank von England im Dienste der Finanzverwaltung des Staats". ZGS 43, pp. 590-2.
- 1890. Finanzwissenschaft. Zweite Teil. Abtheilung i und ii. Theorie der Besteuerung, Gebührenlehre und allgemeine Steuerlehre. Bibliography pp. 199-202, 814.
- 1890. Preface to Sattler's "Die Effektenbanken". pp. i-xi.
- 1891. Marshall's Principles of Economics. QJE 5, pp. 319-38.
- 1891. Über Soziale Finanz- und Steuerpolitik. Archiv f. Soziale Gesetzgebung 4, pp. 1-81.
- 1892. Das neue sozialdemokratische Programme. pp. 51.
- (ed.). 1892-3, 1894. Lehr- und Handbuch der politischen Ökonomie (2 vols.). pp. 443, 486.
- 1892-3. Grundlegung der politischen Ökonomie. I. Grundlagen der Volkswirtschaft. (2 vols). pp. 930.
- *— 1894. Die neueste Silberkrise und unser Münzwesen. pp. 72.
- 1894. Bücher's "Entstehung der Volkswirtschaft". ZGS 50, pp. 347-57.
- *— 1894. Review of Rathgen's "Japans Volkswirtschaft und Staatshaushalt". SchmJb 18, pp. 303-6.
- 1886-96. Finanzwissenschaft. Dritte Teil. Ergänzungheft—Specielle Steuerlehre—Die britische und französische Besteuerung in ihrer neuesten Entwicklung und Gestaltung. Bibliog. pp. 8 and 48, 168.

- WAGNER, ADOLPH. (and others) (editor). 1900. Handels- und Machtpolitik. 2 vols.
- 1901. Finanzwissenschaft. Vierte Teil: Die deutsche Besteuerung des 19. Jahrhundert (Staats, Communal und Reichsbesteuerung). pp. 852.
- 1901. Agrar- und Industriestaat: Eine Auseinandersetzung mit den Nationalsocialen und mit Prof. L. Brentano. pp. 92.
- 1902. Agrar- und Industriestaat. Die Kehrseite des Industriestaats und die Rechtfertigung agrarischen Zollschatzes mit besonderer Rücksicht auf die Bevölkerungsfrage. pp. 224.
- 1903. Preface to Sydow's "Theorie und Praxis in der Entwicklung der Französischen Staatsschuld seit dem Jahre 1870". pp. i-vii.
- 1904. Die finanzielle Mitbeteiligung der Gemeinden an kulturellen Staatseinrichtungen und die Entwicklung der Gemeindeeinnahmen. pp. 72.
- 1905. Preface to Schwabe's "Chamberlain's Handelspolitik". pp. i-xv.
- 1907, 1909. Theoretische Sozialökonomik oder allgemeine und theoretische Volkswirtschaftslehre. pp. 520, 799.
- 1907. The Rights and Wrongs of Socialism. Fortnightly Review 71, pp. 682-94.
- 1908. Die Reichsfinanznot und die Pflichten des deutschen Volks wie seiner politischen Parteien. pp. 60.
- 1909. Sozialökonomische Theorie des Geldes und Geldwesens. Theoretische Sozialökonomik. 2. Abteilung. Bd. ii, pp. 111-799.
- 1910. Finanzwissenschaft. Dritter Teil. Buch 1. Steuer-geschichte vom Altertum bis zur Gegenwart. pp. 502.
- 1910. Bodenrechtsordnung. (Die volkswirtschaftliche Prinzipienfrage der Rechtsordnung). HdS 5, pp. 76-107.
- 1911. Staat in nationalökonomischer Hinsicht. HdS 7, pp. 727-89.
- 1912. Finanzwissenschaft: Dritter Teil. Buch II. Die britische Besteuerung im 19. Jahrhundert und bis zur Gegenwart. pp. 243.
- *WIESER, F. VON. 1884. Über den Ursprung und die Hauptgesetze des wirtschaftlichen Wertes.
- *— (and KOMORZYNSKI, J.). 1889. Der Wert in den isolierten Wirtschaft. pp. 105.
- 1889. Der Natürliche Werth. pp. 239.
- 1891. The Austrian School and the Theory of Wages. EJ 1, pp. 108-21.
- 1892. The Theory of Value. AAA 2, pp. 600-28.
- 1892. Grossbetrieb u. Productivgenossenschaft. ZV 1, pp. 102-45.
- 1893. Natural Value. Trans. by C. A. Malloch, edited with introduction by Smart. pp. 243.

- WIESER, F. VON. 1893. Die Besteuerung ausländischer Gläubiger in Österreich. ZV 2, pp. 563-83.
- 1901. Die Ergebnisse und die Aussichten der Einkommensteuer in Österreich. pp. 147.
- * — 1904. Die deutsche Steuerleistung und der öffentliche Haushalt in Böhmen.
- 1904. Der Geldwert u. seine geschichtlichen Veränderungen. ZV 13, pp. 43-64.
- * — 1905. Über Vergangenheit und Zukunft der österreichischen Verfassung. pp. 171.
- 1907. Die Besteuerung der Stadt u. des Kapitaies in Österreich. ZV 16, pp. 185-214.
- * — 1909. Die Theorie der Städtischen Grundrente. pp. 39.
- * — 1910. Recht und Macht. Sechs Vorträge. pp. 154.
- 1910. Grenznutzen. HdS 5, pp. 56-67.
- 1910. Gut. HdS 5, pp. 205-9.
- 1911. Review of Schumpeter's "Wesen und Hauptinhalt der theoretischen Nationalökonomie". SchmJb 35, pp. 909-31.
- * — 1919. Der Finanzielle Aufbau der englischen Industrie. pp. 482.
- * — 1921. Preface to Böhm-Bawerk's "Kapital und Kapitalzins". pp. 1-xxvi.
- 1923. Machtpsychologie. ZV N.F. 3, pp. 1-47.
- (and others) editor. 1924. Kant-Festschrift, zu Kant's 200. Geburtstag am 22. April, 1924. pp. 301.
- * — 1924. Theorie der gesellschaftlichen Wirtschaft. Grundriss der Sozialökonomik 1, ii, pp. 1-322.
- 1925. Masse. HdS 6, pp. 512-15.
- 1926. Das Gesetz der Macht. pp. 562.
- 1928. Social Economics (tr. A. F. Hinrichs), pp. xxii + 469.
- * ZUCKERKANDL, ROBERT. 1889. Zur Theorie des Preises mit besonderer Berücksichtigung der geschichtlichen Entwicklung der Lehre. pp. 384.
- 1890. Die Klassische Werttheorie und die Theorie vom Grenznutzen. Criticism of Dietzel's Article. CJb Neue Folge 21, pp. 509-19.
- * — 1891. Review of Marshall's "Principles of Economics" (2nd ed.). CJb III Folge 2, pp. 45-53.
- 1892. Beitrag zur Dogmen-Geschichte der Schutzzollidee. ZV 1, pp. 249-69.
- * — 1892. Währungsfrage—Litteratur zur. CJb III Folge 3, pp. 530-42.
- * — 1892. Stenographische Protokolle über die vom 8. bis 17. März abgehaltenen Sitzungen der nach Wien einberufenen Währungs-Enquete-Kommission. CJb III Folge 3, pp. 752-3.
- 1892. Review of Smart's "Introduction to the Theory of Value on the lines of Menger, Wieser and Böhm-Bawerk". ZV 1, pp. 371-2.

- *ZUCKERKANDL, ROBERT. 1893. Die Bimetallische Bewegung in England. *CJb* III Folge 6, pp. 705-19.
- 1894. La Mesure des Transformations de la Valeur de la Monnaie. *REP* 8, pp. 237-53.
- 1894. Die Währungs-Aenderung in Britisch-Indien. *ZV* 3, pp. 1-26.
- 1907. Die Konsumsteuern im Österreich-ungarischen Ausgleich. *ZV* 16, pp. 355-425.
- 1907. Die Konsumsteuern im Österreichischungarischen Ausgleich. pp. 75, Bibliog., pp. 74-5.
- 1908. Review of Jacoby's "Streit um den Kapitalsbegriff" *CJb* III Folge 36, pp. 684-6.
- 1909. Österreichisch-ungarische Bank. *HdS* 2, pp. 411-53.
- *— 1909. Review of Rost's "Wert und Preistheorie mit Berücksichtigung ihrer dogmengeschichtlichen Entwicklung". *CJb* III Folge 37, pp. 406-7.
- *— 1909. Review of Schiele's "Über den natürlichen Ursprung der Kategorien Rente, Zins und Arbeitslohn". *CJb* III Folge 37, pp. 407-9.
- 1910. Karl Menger. *ZV* 19, pp. 251-64.
- 1910. Die Statistische Bestimmung des Preisniveaus. *HdS* 6, pp. 1154-66.
- *— 1910, 1925. Allgemeine Theorie des Preises. *HdS* 6, pp. 1130-54, pp. 994-1026.
- 1911. The Austro-Hungarian Bank (From Handwörterbuch der Staatswissenschaften, 3rd edition). U.S.A. National Monetary Commission. Banking in Russia, etc. pp. 55-117.
- *— 1913. Das neue Privilegium der Österreichisch-ungarischen Bank. *CJb* III Folge 45, pp. 289-328.
- 1913. Review of Stiaszny's "Österreichische Staatsbankerott von 1811". *SchmJb* 37, pp. 504-5.
- 1925. Zur Produktionslehre. *SchmJb* 49, pp. 1231-68.
- 1928. Weitere Beiträge zur Produktionslehre. *SchmJb* 52.

FRENCH AUTHORS

- *AFTALION, ALBERT. 1899. L'Œuvre économique de Simon de Sismondi.
- 1900. Review of Anton's "Der Mittellandkanal". REP 14, pp. 836-9.
- 1900. Review of Lohmann's "Vauban, Seine Stellung in der Geschichte der Nationalökonomie". REP 14, pp. 630-4.
- 1900. Review of Walcker's "Geschichte der Nationalökonomie u. des Socialismus". REP 14, pp. 523-4.
- 1901. Le développement des principaux ports maritimes de l'Allemagne. REP 15, 163-201, 499-535, 561-99.
- 1903. Décadence de l'Industrie linière et la Concurrence victorieuse de l'Industrie cotonnière. REP 17, pp. 420-47, 616-36, 709-45, 827-53.
- *— 1904. La Crise de l'Industrie linière et la Concurrence victorieuse de l'Industrie cotonnière.
- 1905-06. La fabrique et le travail à domicile dans les industries de l'habillement. REP 19, 827-43, 914-36; 20, 115-18.
- *— 1906. Le Développement de la Fabrique et le Travail à domicile dans les Industries de l'habillement. pp. 314.
- 1908. Les Kartells dans la Région du Nord de la France : les Kartells à Formes Simples dans de Coton et de Lin (1899-1907). REP 5th year 1, pp. 107-65.
- 1908, 1909. La Réalité des surproductions générales. Essai d'une Théorie des Crises, générales et périodiques. REP 22, pp. 696-706; 23, pp. 81-117, 201-32, 241-59.
- *— 1909. Essai d'une Théorie des Crises générales et périodiques. pp. 100.
- 1910. La Réalité des surproductions générales. Réponse à quelques objections. REP 24, pp. 283-302.
- 1911. La Filature de Coton et les Crises périodiques de Surproduction. REI 8th year 2, pp. 51-79.
- *— 1911. Les Kartells des Mines de Charbon du Nord et du Pas-de-Calais. REI 8th year 2, pp. 274-308.
- 1911. Les trois notions de la productivité et les revenus. REP 25, pp. 145-84, 345-69.
- 1912. Les Oscillations périodiques des Salaires. REP 9th year 3, pp. 124-32.
- 1912. Le Salaire réel et sa nouvelle Orientation. REP 26, 541-52.
- 1914. Les Crises périodiques de surproduction : (1) Les variations périodiques des prix et des revenus : les théories dominantes. (2) Les mouvements périodiques de la production : essai d'une théorie. pp. 324, 418.

- AFTALION, ALBERT. 1919. La politique française en matière d'importation pendant la Guerre. REP 33, pp. 164-89.
- 1922. L'Industrie textile en France pendant la guerre. pp. 250.
- 1923. Les Fondements du socialisme : étude critique. pp. 310.
- * — 1923. The Effect of the War upon the French Textile Industry. Gide's "Effects of the War upon French Economic Life" pp. 41-72.
- 1925. Prix, Circulation et Change en France, de 1920-4. REP 39, pp. 1236-64.
- 1925. Les Expériences monétaires récentes et (1) la Théorie quantitative, (2) la Théorie du Revenu, (3) la Théorie psychologique de la Monnaie. REP 39, pp. 657-84, 813-41, 1009-31.
- 1926. Les Théories dominantes du Change. REP 40, pp. 769-95.
- 1926. Théorie psychologique du change. REP 40, pp. 945-86.
- COLSON, C. 1890, 1898-1904. Transports et Tarifs. pp. 479.
- * — 1896. Les Chemins de Fer et le Budget. pp. 254.
- 1901. Abrégé de la Législation des chemins de fer et tramways. pp. 246.
- * — 1901-07. 3 Edn. 1916-24. Cours d'Economie Politique, 6 vols.
- * — (and MARLIO, L.). 1911. Chemins de Fer et Voies navigables. pp. 108.
- * — 1912. Organisation économique et désordre sociale. pp. 364.
- 1926. Les Changements apportés par la guerre à la richesse de la France. pp. 50.
- * GIDE, CHARLES. 1881. La Théorie de l'économie politique de W. Stanley Jevons. JE 16, pp. 179-91.
- * — 1882. Les Doctrines économiques de M. Ch. Périn. JE 19, pp. 30-40.
- 1883, 1921. Principes d'économie politique. pp. 696.
- 1898. Principals of Political Economy : trans. by E. P. Jacobsen with introduction and notes by J. Bonar. pp. 592.
- 1914. (Cours d'Economie Politique.) Political Economy. Trans. from the 3rd edition (1913) by C. H. M. Archibald. pp. 762.
- 1924. Principles of Political Economy. Trans. from 23rd edition by E. F. Rowe. pp. 527.
- * — 1883. La Propriété foncière : quelques nouvelles doctrines sur. JE 4th series 22, pp. 169-99.
- * — 1884. Le Collectivisme et M. Paul Leroy-Beaulieu. JE 4th series 28, pp. 404-28.
- * — 1887. La Notion de la Valeur dans Bastiat au point de vue de la justice distributive. REP 1, pp. 249-70.
- * — 1888. L'Avenir de la Coopération. pp. 24.
- * — 1888. Review of J. B. Clark's "Capital and Its Earnings". REP 2, pp. 648-52.

*GIDE, CHARLES. 1889. De la Co-opération. pp. 24.

- 1889. De la Coopération et des Transformations qu'elle est appelée à réaliser dans l'Ordre économique. REP 3, pp. 473-9.
- 1889. Review of J. B. Clark's "Philosophy of Wealth". REP 3, pp. 660-5.
- 1891-2. Chronique Economique (1). REP 5, pp. 85-94, 287-99, 517-33, 743-67; 6, pp. 102-11, 327-32, 582-96, 817-29, 1045-52, 1242-52.
- 1891. Review of Patten's "Economic Basis of Protection". REP 5, pp. 410-13.
- 1891. La Protection sans Droits protecteurs. REP 5, pp. 794-816.
- 1891. The Single Tax and the Impôt unique. QJE 5, pp. 494-5.
- 1891. Social Legislation in France—Report on. EJ 1, pp. 394-405.
- 1892. The Carmaux Strike. EJ 2, pp. 713-21.
- (et LAMBERT, M.). 1893-5. Chronique Economique (1). REP 7, pp. 33-45, 244-51, 453-65, 693-701, 833-42; 8, pp. 171-9, 384-90, 588-97, 782-95; 9, pp. 71-82, 273-9, 513-19, 711-19, 926-36.
- 1893. Le Mouvement co-opératif en France dans les dix dernières Années. REP 7, pp. 1-33.
- 1894. Les Prophéties de Fourier. pp. 32.
- 1894. Review of Hobson's "Evolution of Modern Capital". REP 8, pp. 809-11.
- 1894. Le Néo-Collectivisme. REP 8, pp. 423-40.
- 1894. Review of Nicholson's "Principles of Political Economy". REP 8, pp. 490-1.
- 1894. La Première Statistique des Sociétés Co-opératives de Consommation en France. REP 8, pp. 730-47.
- 1895. Charles Secrétan. REP 19, pp. 165-9.
- 1895. The Union between Agricultural Syndicates and Co-operative Societies in France. EJ 5, pp. 195-208.
- 1895. The Protestant Association of France for the Practical Study of Social Questions. EJ 5, pp. 460-1.
- 1896, 1898-1900. Chronique Economique. REP 10, pp. 499-504, 698-700, 1017-28; 12, pp. 552-7; 13, pp. 198-203, 1028-35; 14, pp. 396-401, 622-6.
- (and LAMBERT, M.). 1896-8. Chronique Economique. REP 10, pp. 82-92, 272-7; 11, pp. 170-7, 394-405, 621-6, 1067-79; 12, pp. 157-63, 328-34.
- 1896. Preface to Fabre's "Robert Owen". pp. i-xv.
- 1896. Henri Saint-Marc. REP 10, pp. 847-54.
- 1896. Review of Walras' "Éléments d'Économie Politique Pure" (3rd ed.). REP 10, pp. 717-18.
- 1897. Preface to Lambert's "Essai sur la Protection du Salaire". pp. i-xx.

- GIDE, CHARLES. 1897. Review of Taussig's "Wages and Capital". REP 11, pp. 640-1.
- 1897. Review of Walras' "Études d'Économie Sociale". REP 11, pp. 301-306.
- 1897. Rabbeno, U., Article Nécrologique. REP 11, pp. 1066-7.
- 1898. Has Co-operation introduced a new principle into economics? EJ 8, pp. 490-511.
- 1898. Maurice Lambert. REP 12, pp. 760-3.
- 1899. Review of Walras' "Étude d'Économie Politique Appliquée". REP 13, pp. 102-3.
- 1899. Si les Institutions Sociales sont un Mal Social. REP 13, pp. 1-17.
- 1900. La Coopération. Conférences de Propagande. pp. 315.
- 1900. Review of Clark's "Distribution of Wealth". REP 14, pp. 1038-41.
- 1900. Les associations coopératives de production en France. REP 14, pp. 1-31.
- 1900. Review of Marshall's "Economics of Industry". REP 15, pp. 330-1.
- (and BARDOUX, J.). 1901. La Fondation universitaire de Belleville. pp. 88.
- 1901. La Crise du vin en France et les associations de vinification. REP 15, pp. 217-35.
- 1901. Review of Aftalion's "L'Œuvre Économique de Simon de Sismondi". REP 15, pp. 91-2.
- 1901. Review of Walras' "Éléments d'Économie Politique Pure". REP 15, pp. 210-12.
- 1902. Review of J. B. Clark's "Control of Trusts". REP 16, pp. 961-2.
- 1902, 1904, 1907, 1908. Reviews of Colson's "Cours d'Économie Politique". REP 16, pp. 103-5; 18, pp. 415-7; 21, pp. 230-1; 22, pp. 395-7.
- 1902. Review of Landry's "L'Utilité Sociale de la Propriété Individuelle". REP 16, pp. 95-8.
- 1903. Review of Böhm-Bawerk's "Histoire Critique des Théories de l'Intérêt du Capital". REP 17, pp. 181-2, 479-80.
- 1903. La Hausse de Salaires. REP 17, pp. 385-96.
- 1903. Review of Pareto's "Systèmes Socialistes". REP 17, pp. 168-71.
- *— 1904. La Morale de Bastiat.
- 1904. Les Sociétés Coopératives de Consommation. pp. 192.
- 1904. Review of Landry's "L'Intérêt du Capital". REP 18, pp. 170-2.
- 1904. De la Suppression ou de la Réglementation des débits de boissons. REP 18, pp. 513-42.
- *— 1905, 1907. L'Économie Sociale. pp. 500.

- GIDE, CHARLES. 1905. Review of Meredith's "Protection in France". EJ 15, pp. 44-7.
- 1907. La Crise du vin dans le Midi de la France. REP 21, pp. 481-512.
- 1907. Review of Denis' "Histoire des Systèmes Économiques et Socialistes". EJ 17, pp. 561-4.
- 1907. Economic Literature in France at the beginning of the Twentieth Century. EJ 17, pp. 192-212.
- 1907. Les Cités-Jardins. REI 4, pp. 7-41.
- 1907. Review of "Problème agraire du Socialisme" etc. EJ 17, pp. 564-5.
- 1907. Review of Lescure's "Crises générales et périodiques de Surproduction". REP 21, pp. 627-8.
- 1907. Review of Pareto's "Economia Politica". REP 21, pp. 231-3.
- 1907. The Wine Crisis in South France. EJ 17, pp. 370-5.
- 1907. The Seventh Congress of the International Cooperative Alliance. EJ 17, pp. 579-83.
- 1908. Malthus et sa Doctrine. Revue du Christianisme Social, March, 1908.
- 1909, 1913. Cours d'économie politique. pp. 796.
- (and RIST, CH.). 1909. Histoires des Doctrines économiques depuis les Physiocrates jusqu'à nos jours. pp. 766.
- 1909. Preface to Barrault and Alfossa's "Co-opération et Socialisme en Angleterre". pp. i-vi.
- 1910. Les Conséquences économiques de la Décroissance de la Natalité. REP 7th year 1, pp. 443-60.
- 1910. L'Actionnariat ouvrier. REP 24, pp. 1-23.
- 1910. Review of Aftalion's "Essai d'une Théorie des Crises générales et périodiques". REP 24, pp. 87-9.
- 1910. Review of Lescure's "Des Crises générales et périodiques de Surproduction". REP 24, pp. 760-3.
- 1910. La Lutte Contre l'Opium. REI 4, pp. 285-317.
- 1911. La Conférence de Berne sur les Causes et les Effets économiques des Guerres. REP 25, pp. 553-62.
- 1911. Consumer's Strike in France. EJ 11, pp. 641-3.
- 1911. Review of Landry's "Essai Économique sur la Mutation des monnaies dans l'Ancienne France". REP 25, pp. 115-6.
- 1912. Das französische Gesetz über die Altersversicherung der Arbeiter. ZV 21, pp. 208-18.
- 1912. Des Grèves de Consommateurs. REI 9th year 1, pp. 124-32.
- 1912. Le Matérialisme et l'Économie Politique. REP 26, pp. 137-46.
- 1912. Frederick Passy. EJ 22, pp. 506-7.
- (and others). 1912. Prices: Discussion of W. T. Layton's paper on. Sociological Review 5, iv, pp. 298-308.

- GIDE, CHARLES. 1913. Review of J. M. and J. B. Clark's "Control of Trusts". REP 27, pp. 530-1.
- 1913. Review of Colson's "Organisation économique et Désordre social". REP 27, pp. 128-9.
- 1914. La Guerre et la Question Sociale. REP 28, pp. 613-22.
- 1914. Review of Lescure's "L'Épargne en France". REP 28, pp. 503-4.
- 1915. De l'Influence de la Guerre sur les Prix. REP 29, pp. 197-217.
- 1916. La Guerre et l'Organisation nationale de l'Alimentation. REP 30, pp. 1-17.
- 1916. De la Nécessité pour la France d'accroître sa Production. REP 30, pp. 325-39.
- 1916. L'Or et le Change. REP 30, pp. 81-114.
- 1917. Le Jubilé Vilfredo Pareto. REP 31, pp. 171-96.
- 1917. La Politique commerciale après la Guerre. REP 31, pp. 171-96.
- 1918. Des Projets d'Entente financière après la Guerre. REP 32, pp. 1-16.
- 1919. La Conférence coopérative interalliée. REP 33, pp. 204-7.
- 1919. Le Partage de l'Afrique et le traité de Paix. REP 33, pp. 754-63.
- * — 1920. Les Institutions de Progrès Social. pp. 612.
- * — 1920. Des Institutions en vue de la Transformation ou de l'Abolition du Salarial. pp. 115.
- * — 1920. Notes sur la Situation financière et monétaire. International Financial Conference, No. 13 (5).
- 1921. Consumers' Co-operative societies. pp. 251.
- * — 1921. Premières Notions d'Économie Politique. pp. 185.
- 1921. Public Expenditure and receipts in France. AAA May, 1921, pp. 151-5.
- 1922. First principles of political economy: trans. by E. F. Row. pp. 158.
- 1922. La Co-opération. La Place qu'elle réclame dans l'Enseignement économique. REP 36, pp. 1-19.
- 1922. The Indemnity for Reparations. AAA Nov., 1922. pp. 140-8.
- (editor). 1923. Effects of the War upon French economic Life: a collection of five monographs. pp. 197.
- 1925. Les Associations coopératives agricoles. pp. 210.
- * — 1925. La Lutte Contre la Cherté et la Coopération. pp. 228.
- 1925. Les Conséquences de la Hausse des prix au point de vue national et moral. REP 39, pp. 801-12.
- 1926. La Coopération à l'étranger, Angleterre et Russie: Cours sur la Coopération au Collège de France, déc. 1925-mai 1926. pp. 220.

- GIDE, CHARLES. 1926. Review of Walras' "Éléments d'Économie pure". REP 40, pp. 730-2.
- 1926. La Propriété foncière dans les colonies sionistes. REP 40, pp. 1300-12.
- 1928. Obituary of Ives Guyot. EJ 38, pp. 332-5.
- 1928. La coopération à l'étranger. pp. 230.
- 1929. La C.G.C. REP Jan.-Feb., 1929.
- LANDRY, A. 1897. La Loi de l'Offre et la Monnaie. REP 11, pp. 486-517.
- 1901. L'Utilité sociale de la Propriété individuelle. pp. 512.
- 1902. La Responsabilité pénale.
- 1904. L'Intérêt du Capital. pp. 366.
- 1905. La Rapidité de la Circulation monétaire. REP 19, pp. 155-74.
- 1905. Review of Carver's "Distribution of Wealth". REP 19, pp. 862-3.
- 1906. Principes de Morale rationnelle. pp. 278.
- 1906. Un Economiste méconnu—Otto Effertz. REP 20, pp. 601-29.
- 1906. Gold Production and the Rate of Interest. Criticism of Irving Fisher's article in Moody's Magazine, Dec., 1905. REP 20, pp. 336-7.
- 1906. La Théorie Économique pendant l'Année 1905-6. REP 20, pp. 744-55.
- 1907. Review of Fisher's "Nature of Capital and Income". REP 21, pp. 384-6.
- 1907, 1909. Review of Marshall's "Principes d'Économie Politique". REP 23, pp. 836-7; 21, pp. 469-71.
- 1907. Quelques Travaux récents de Théories économiques REP 21, pp. 687-711.
- 1908. Manuel d'Économie à l'Usage des Facultés de droit. pp. 889.
- 1908. Le Problème du Profit. REP 22, pp. 241-62.
- 1909. Review of Fisher's "Rate of Interest". REP 23, pp. 156-60.
- 1909. Review of Oppenheimer's "David Ricardos Grundrententheorie". REP 23, pp. 847-9.
- 1910. Essai économique sur les mutations des monnaies dans l'ancienne France de Philippe le Bel à Charles VII. pp. 219.
- 1910. Une Théorie négligée. De l'influence de la direction de la demande sur la Productivité du travail, les salaires, et la population. REP 24, pp. 314-23, 364-84, 747-57, 773-85.
- 1911. Review of Fisher's "Practical Method of Determining Velocity of Circulation of Money" [Report on National Vitality, its Wastes and Conservation]. REP 25, pp. 136-7.
- (and NOGARO, B.). 1914. La Crise des finances publiques en France, en Angleterre, en Allemagne. pp. 264.

- LANDRY, A. 1914. Le crédit industriel et commercial. pp. 313.
- 1921. Une Académie de Marine. REI 13th year, 3, pp. 340-3.
- 1929. Le Maximum et l'Optimum de la Population. Scientia, Apr., 1929.
- LESCURE, JEAN. 1901, 1910. Des crises générales et périodiques de surproduction. pp. 620.
- 1906. L'Évolution du Cartell dans la grande industrie Allemande de la Houille et du Fer. REP 20, pp. 368-88.
- *— 1908. Le Marché à Terme de Bourse en Allemagne. pp. 260.
- *— 1908. Trusts et Cartels. Leurs Conséquences.
- 1909. Aspects Récents de la Concentration industrielle: l'Intégration dans la Métallurgie. REI 6th year 3, pp. 256-94.
- 1910. Review of Kleinwächter's "Lehrbuch der National-ökonomie". REP 24, pp. 254-6.
- 1910. Review of W. S. Jevons' "Théorie de l'Économie Politique". Trans. Barrault et Alfassa. REP 24, pp. 486-8.
- 1910. Review of Lexis' "Allgemeine Volkswirtschaftslehre". REP 24, pp. 667-71.
- 1910. La Liberté du Commerce des Grains et le Parlement de Paris. REP 24, pp. 451-70.
- 1910. Review of Liefmann's "Kartelle und Trusts". REP 24, pp. 572-4.
- 1910. Surproduction générale ou Surproduction généralisé? REP 24, pp. 157-62.
- 1911. L'Accroissement de la Production de l'Or et la hausse générale des Prix. REP 25, pp. 729-43.
- 1911, 1914. Chronique des Questions ouvrières. REP 25, pp. 219-51; 28, pp. 199-218.
- 1911. Review of Colson's "Chemins de Fer et Voies navigables". REP 25, pp. 676-7.
- 1911. Review of Philippovich's "Grundriss der Politischen Ökonomie II". REP 25, pp. 412-3.
- 1912. Hausses et baisses générales des prix. REP 26, pp. 452-90.
- 1912. Review of Liefmann's "Die Unternehmungsformen". REP 26, pp. 775-6.
- 1912. Les Marchés Financiers de Berlin et de Paris et la Crise Franco-Allemande de Juillet-Octobre, 1911. REI 9th year 3, pp. 510-37.
- 1912. Review of Philippovich's "Allgemeine Volkswirtschaftslehre". REP 26, pp. 255-7.
- 1913. Review of Fisher's "De la Nature du Capital et du Revenu". REP 27, pp. 262-3.
- 1914. L'Épargne en France. pp. 114.
- 1914. Les Banques et les Finances. REP 18, pp. 471, 99-101, 684-701, 704-6.

- LESCURE, JEAN. 1914. Review of Carver's "Répartition des Richesses". Trans. by Picard. REP 28, pp. 395-6.
- 1914. Hausse des Prix de la Période 1895-1913. REI 11th year, 2, pp. 269-98.
- 1914. Review of Liefmann's "Beteiligung u. Finanzierungs-gesellschaften". REP 28, pp. 516-17.
- 1915. La Réforme du Système Bancaire aux États-Unis. REP 29, pp. 59-79.
- 1919. Pour nos étudiants démobilisés. Une caisse de prêts sur l'honneur. REP 33, pp. 599-601.
- 1920. Baisse des Prix et Surproduction. REI 12th year 4, pp. 677-700.
- 1920. Le Mouvement ouvrier depuis l'Armistice jusqu'en Mars 1920. REP 34, pp. 337-57.
- 1921. Banques de Dépôt, banques d'émission et banques de réserve. Contribution à la Théorie des Banques. REP 35, pp. 420-31.
- 1921. La Reprise, est-elle en vue ? REI 13th year, 4, pp. 381-400.
- 1922. Le Problème des Réparations.
- 1922. Review of Philippovich's "Volkswirtschafts Politik". Part 2. REP 36, pp. 513-14.
- 1922. Le Retour à l'Étalon or. REI 14th year 4, pp. 27-42.
- 1923. Après la Résistance Passive : la Liquidation. REI 15th year 4, pp. 205-19.
- 1923. Le Marché des capitaux en France et ses particularités récentes. REP 37, pp. 863-8.
- 1923. La Reprise. REI 15th year 1, pp. 213-33.
- 1926. Les Sociétés allemandes par actions après le Retour à l'or. REP 40, pp. 1060-3.
- 1927. Les Origines de la Révolution Russe. pp. 228.
- *RIST, CHARLES. 1891, 1902. Schloss's "Modes de Rémunération du Travail". Introduction to and translation by Charles Rist. pp. i-xlviii, 383.
- 1897. La Durée du Travail dans l'Industrie française. REP 11, pp. 371-93.
- 1898. La Journée de Travail de l'Ouvrier adulte en France et sa Limitation par loi. Bibliog. pp. i-xii, 376.
- 1903. Un Nouveau Livre d'Antoine Menger. REP 17, pp. 888-912.
- 1904-6. Chronique Ouvrière (1). REP 18, pp. 325-39, 588-600, 832-41 ; 19, pp. 175-86, 556-67, 844-55 ; 20, 229-45, 483-96, 575-86.
- 1906. Le Capital provient-il uniquement du travail. REP 20, pp. 105-14.
- 1907. Review of Aftalion's "Développement de la Fabrique et le Travail à domicile dans les Industries de l'habillement". REP 21, pp. 626-27.

- RIST, CHARLES. 1907, 1908. *Chronique Ouvrière* (2). REP 21, pp. 129-42; 22, pp. 113-30, 531-45.
- 1907. *Origine et caractère du Socialisme d'État*. REP 21, pp. 321-60, 412-27.
- 1907. *La Progression des Grèves en France et sa valeur symptomatique*. REP 21, pp. 161-93.
- (and GIDE, CH.). 1909. *Histoires des Doctrines économiques depuis les physiocrates jusqu'à nos jours*. pp. 766.
- 1910. Review of Schumpeter's "Wesen u. der Hauptinhalt der theoretischen Nationalökonomie". REP 24, pp. 494-6.
- 1911. *La Situation financière des Syndicats ouvriers français*. REI 8th year 1, pp. 34-67.
- 1912. Review of Philippovich's "Entwicklung der Wirtschaftspolitischen Ideen im 19ten Jahrhundert". REP 26, pp. 386-8.
- 1912. Review of Cannan's "Histoire des Théories de la Production et de la Distribution" Barrault and Alfassa trans. REP 26, pp. 538-9.
- (and others). 1912. Prices—Discussion of W. T. Layton's Paper on. *Sociological Review* 5, iv, pp. 298-308.
- 1912. *Relation entre les variations annuelles du chômage, des grèves et des prix*. REP 26, pp. 748-58.
- 1913. *La Hausse du Taux de l'Intérêt et la Hausse des Prix*. REI 10th year 1, pp. 462-93.
- 1913. Review of Böhm-Bawerk's "Positive Theorie des Kapitals". 3rd ed. REP 27, pp. 414-15.
- 1914. *La Circulation monétaire française et le mouvement des prix*. REP 28, pp. 276-88.
- 1915. *L'Allemagne et le Maintient de sa Vie économique pendant la guerre*.
- (and others). 1915. *Problèmes de politique et finances de guerre*. pp. 228.
- 1915. *Un Rapport Officiel Allemand sur les Caisses de Prêts de Guerre*. REP 29, pp. 447-59.
- 1915. *Le Régime monétaire de l'Allemagne pendant la guerre*. REP 29, pp. 15-23.
- 1917. *La couverture métallique de la Circulation de papier en Allemagne et en France*. REP 31, pp. 13-28.
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- 1917. *La Situation financière de l'Allemagne, de l'Autriche-Hongrie et de la Turquie à la date de 30 Juin, 1917*. REP 31, pp. 249-65, 362-9.
- 1918. *La Banque d'Émission Austro-hongroise et les Banques de dépôt en Autriche et en Hongrie*. REP 32, pp. 419-26.
- 1918. *Les deux derniers Emprunts Allemands*. REP 32, pp. 30-45.
- 1918. *Le Rapport de la Commission industrielle Américaine en France : Bilans de Guerre des grandes Banques Allemandes*. REP 32, pp. 290-8, 298-301.
- 1919. *La Doctrine Sociale de Lénine*. REP 33, pp. 575-92.

- RIST, CHARLES. 1919. L'Exportation Américaine et les Lois sur les Trusts. REP 33, pp. 78-82.
- (and MAWAS, ALFRED). 1920. Hausse des Prix, change et signes monétaires en France etc. REP 34, pp. 361-4.
- 1920. La Réforme financière en Allemagne. REP 34, pp. 84-9.
- 1921. Les Finances de Guerre de l'Allemagne. pp. 294.
- 1921. Les banques d'émission et l'après-guerre. REP 35, 188-207.
- 1921. Le Mouvement des Prix en Allemagne. REP 35, pp. 73-7.
- 1921. Quelques Définitions de l'Épargne. REP 35, pp. 729-51.
- 1923-5. Les Réparations en 1922, 1923, 1924. REP 37, pp. 181-202; 38, pp. 163-81; 39, pp. 253-68.
- 1924. La Déflation en pratique (Angleterre, États-Unis, France, Tchécho-Slovaquie). pp. 172.
- 1924. Alfred Marshall. REP 38, pp. 554-6.
- 1924. Le Budget de 1925 et le Crédit de France. REP 38, pp. 785-803.
- (and LAYTON, W. T.). 1925. Rapport à la Société de Nations sur la Situation Économique de l'Autriche. pp. 145.
- 1926. Chronique de la Stabilisation monétaire. REP 40, pp. 118-25.
- 1926. Les dettes interalliées et les Réparations en 1925. REP 40, pp. 277-98.
- 1926. La France Économique en 1925. REP 41, pp. 177-84.
- WALRAS, LÉON. 1874-7, 1896. Éléments d'économie politique pure ou Théorie de la richesse sociale. pp. 496.
- 1874. Review of Errera's "L'Italia Industriale e La nuove Istituzioni economiche nel secolo xix". JE 35, pp. 329-34.
- 1874. Principe d'une théorie mathématique de l'échange. JE 34, pp. 5-21, 417-22.
- 1874. Principe d'une théorie mathématique de l'échange. (Académie des Sciences Morales et Politiques 16 et 23 Août, 1873.)
- 1875. Review of "Biblioteca dell' Economista". JE 40, pp. 157-9.
- 1876. Note. JE 44, pp. 454-7.
- 1881. Théorie Mathématique du Bimetallisme. JE 4th series 14, pp. 189-199.
- 1882. De la Fixité de la Valeur de l'étalon monétaire. JE 4th series 20, pp. 5-12.
- 1882. Ajournement de la Conférence Monétaire (U.S.A. 1882). JE 4th series 18, pp. 431-2.
- 1883. Théorie mathématique de la Richesse. pp. 256.
- 1886. Théorie de la Monnaie. pp. 124.
- 1889. Théorème de l'Utilité maxima des Capitaux neufs. REP 3, pp. 310-15.

- WALRAS, LÉON. 1892. Geometrical Theory of the Determination of Prices. AAA 3, pp. 45-64.
- 1895. Un Économiste Inconnu: Hermann Henri Gossen. JE 30, pp. 68-89, 260-1.
- 1896. Études d'Économie Sociale (Théorie de la Répartition de la richesse sociale). pp. 464.
- 1897. L'Économie appliquée et la défense des salaires. REP 11, pp. 1018-36.
- 1897. Théorie du Libre-Echange. REP 11, pp. 649-64.
- 1898. Étude d'Économie politique appliquée.
- 1898. La Caisse d'Épargne de Vienne et le Comptabilisme Social. REP 12, pp. 202-20.
- 1898. Théorie du Credit. REP 12, pp. 128-43.
- 1922. Theorie des Geldes. pp. 115.

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